

1. This artist painted a woman sitting on some clouds and having her left breast fondled by a disembodied hand in *Honey is Sweeter than Blood*. He painted a flower growing from a cracked egg that crowns a silver construction right next to an identical gold one in another painting. This artist of *Soft Construction with Boiled Beans* and *The Metamorphosis of Narcissus* also painted a Sphinx with the head of Shirley Temple, as well as a painting that includes twenty-eight Venus de Milos and conveys the spirit of bullfighting. *The Hallucenogenic Toreador* is not as famous as his depiction of four melting clocks. For 10 points each, name this painter of *The Persistence of Memory*, a Spanish surrealist.

ANSWER: Salvador Domenech Felip Jacint **Dali** i Domenech, Marquis of Dali de Pubol

020-11-30-02102

2. One application of this law is assessing the purity of a DNA sample after a phenol-chloroform extraction by measuring the 260 to 280 ratio, and both the Bradford and Lowry assays make use of this law. Sample turbidity and the use of polychromatic radiation make this law inapplicable, and one term in this law is expressed in molarity over centimeters and is known as the extinction coefficient. This law states that the log of a light's initial intensity over its measured intensity is equal to the concentration of a species multiplied by the distance traveled by the light times its absorptivity, and is commonly used in spectrophotometers. For 10 points, name this law of chemistry sometimes named for Lambert and Bouger that can be used to find the absorbance or transmittance of a solution.

ANSWER: **Beer**-Lambert-Bouger Law

023-11-30-02103

3. With Simon Kuznets, this man looked at the income levels of professionals like lawyers and dentists and concluded that the presence of the American Medical Association helped artificially boost the salaries of doctors. This man argued that temporary changes in economic conditions or policies had unusually small impacts on consumer habits in *A Theory of the Consumption Function*, which outlined his permanent income hypothesis. Chapters like "The Cure For Inflation" appear in a book he co-authored titled *Free to Choose*. With Anna J. Schwartz, this man argued that bad policies by the Federal Reserve greatly exacerbated the Great Depression in his *A Monetary History of the United States*. For 10 points, name this Chicago school economist, the author of *Capitalism and Freedom*.

ANSWER: Milton **Friedman**

094-11-30-02104

4. The protagonist of one of this author's novels asks her admirer to search for her fictitious childhood friend, Enola Gay, who gave birth to "Little Boy" after being raped. In that work, the mediocre author Samson Young watches as Nicola Six tries to become the "murderee" of her former suitor, Keith. In another of his novels, subtitled "A Suicide Note," the hedonistic Brit John Self is conned into moving to New York to work on a nonexistent film. Another of his novels follows Dr. Tod Friendly, who is revealed to have been the Nazi doctor Odilo Undverdorben, and is told in reverse chronology. For 10 points, name this author of *London Fields*, *Money*, and *Time's Arrow*, whose father wrote *Lucky Jim*.

ANSWER: **Martin Amis**

080-11-30-02105

5. This man used a curse placed upon him by Urvashi to become a eunuch for a year of his choosing as a means of disguise. After serving as a tutor in that disguise, this man married his son Abhimanyu to the daughter of Raja Virata. This man recognized Shiva in a fight and was rewarded with a weapon, the pashupata. This man used skills he learned from Drona to win his wife and killed his half-brother Karna while in battle against the Kauravas. This son of Indra also spent 13 years in exile with his four brothers and their wife Draupadi. For 10 points, name this Pandava, the hero of the Mahabharata, whose charioteer was Krishna.

ANSWER: **Arjuna** [or **Bibhatsu**; **Gudakesa**; **Dhananjaya**; **Jishnu**; **Kiritin**; **Pakasasani**; **Phalguna**; **Savyasachin**; **Swetavahana**; **Partha**]

105-11-30-02106

6. John Randolph claimed that the burden of one act of this type would be placed “upon poor men and upon slaveholders.” That one was named for Alexander Dallas. Another act of this type was the first of James K. Polk’s ‘four great measures’ and was named for Polk’s brother-in-law. Woodrow Wilson appeared in 1913 before Congress in person to support a new one. Another act of this type modified one developed four years earlier by William McKinley. Aside from those named for Underwood and Wilson and Gorman, another example of this act includes one that may have worsened the Great Depression. For 10 points, name these taxes on imports or exports, one of which is named for Hawley and Smoot.

ANSWER: **tariffs**

024-11-30-02107

7. In one of this author's novels the millionaire's Conrad is killed by a stray bullet in a streetcar strike when he tries to prevent a policeman from beating an elderly German socialist. In that novel Angus Beaton's proposal is rejected by Alma Leighton, while this author wrote about Mr. Twelvemough hosting a foreign visitor in *A Traveler from Altruria*. He wrote about the deteriorating marriage between Bartley Hubbard and Marcia Gaylord in one novel, while Henry Lindau and Colonel Dryfoos argue over the magazine *Every Other Week* in his novel about Basil March. This author of *A Modern Instance* wrote about a man who tries to marry his daughter Irene into the Corey family before he loses his fortune in the paint industry. For 10 points, name this American author of *A Hazard of New Fortunes* and *The Rise of Silas Lapham*.

ANSWER: William Dean **Howells**

064-11-30-02108

8. Mutation of ABC R cause a rare juvenile form of this condition caused by lipofuscin buildup, known as Stargardt' disease. Mutations in fibulin-5 and complement factor H have been associated with this disease, which can be diagnosed using the Amsler Grid Test. Lucentis and Avastatin treat it by inhibiting VEGF, and this disease is caused by aberrant growth of blood vessels in the choroid. Drusen are another symptom of this disease, whose sufferers also experience scotomas, or floaters. It comes in wet and dry forms, and its hallmark symptom is breakdown of the namesake region of the retina. For 10 points, name this condition which causes loss of central vision, a leading cause of blindness.

ANSWER: **Macular degeneration**

048-11-30-02109

9. This region is drained by the Godavari river and is made primarily of basalt. The mantle plume that created this region may have also formed the Reunion Hot Spot. This region is home to a series of hills called the “traps”, which are the remains of the massive volcanic eruption that created this plateau 67 million years ago, and which was once suspected of killing the dinosaurs. This region is separated from the sea by a mountain chain called the Western Ghats. Mineral wealth, including gold, is mined in this plateau’s Golkonda region. Many people in this region speak Kannada or Telugu, and cities here include Bangalore. For 10 points, name this plateau in southern India.

ANSWER: **Deccan** plateau [or **Deccan** lava flats]

021-11-30-02110

10. This battle began immediately after the destruction of the losing side's rear guard, which had been charged with defending a retreat from Orleans. One leader in this battle, Sangiban, was intentionally placed in the center of one side's line to prevent his defection. Thorismund became king of the Visigoths after the death of Theodoric during this battle, which also saw the Gepids under Ardaric fail to hold against the Roman Army under Flavius Aetius. The loser of this battle renewed his invasion the next year, only to be stopped by a meeting with Pope Leo I. For 10 points, name this 451 battle that fought back Atilla the Hun's invasion of Western Europe.

ANSWER: Battle of **Chalons** [or Battle of **Catalaunian Plains**]

003-11-30-02111

11. This element's forbidden spectral lines include 496 and 501 nanometers. Isotope ratios of this element distinguish K and R meteorites and identical isotope ratios of it are important evidence for the Giant Impact Hypothesis. Studies by the HST have shown that the trace atmosphere of Ganymede is composed of compounds of this element. A defining characteristic of carbon stars is that they have more carbon than this element. The burning process of this in stars creates silicon. The Bethe-Weizsäcker-cycle uses this element as a catalyst along with nitrogen and carbon. For 10 points, name this element whose diatom form is the second most abundant gas in Earth's atmosphere.

ANSWER: **oxygen**

001-11-30-02112

12. Gabriel helps this man interpret a prophecy of Jeremiah that predicts seventy weeks in the history of the Israelites. This man’s vision of a ram fighting a goat represents the kingdoms of Greece and Persia, but he declares that “only the Kingdom of God” will endure forever after interpreting a dream of an idol with feet made of iron and clay. This man exposes the fraudulent worship of Bel, sees three of his companions thrown into a furnace for refusing to bow to an idol of Nebuchadnezzar, and interprets the writing on the wall at Belshazzar’s Feast. For 10 points, name this prophet who also survived a night in the lion’s den.

ANSWER: **Daniel**

079-11-30-02113

13. This composer of a *Grand pot-pourri* for cello created a cantata about God's creation of sound called *Der erste Ton*. Long after his death, one of this composer's concert waltzes was used for the ballet *Le Spectre de la Rose*. His piano works include his *Momento Capriccioso* in B-Flat major and his *Konzertstück in F minor*. In one of his operas, the "Huntsmen's Chorus" is sung before Zamiel guides a bullet towards Agathe, only for it to bounce off her bridal garment and kill Kaspar. Berlioz orchestrated this composer's *Invitation to the Dance*. For 10 points, name this early eighteenth century composer who pioneered German Romantic opera by writing *Der Freischütz*.

ANSWER: Carl Maria Von **Weber**

001-11-30-02114

14. This man argued for the incompleteness of geometry because of the inability of the human eye to distinguish between rays and lines. This thinker argued that ideas can only be compared to ideas, not objects, in his "Likeness Argument." A noted limerick about a tree in the quad was composed to mock this man's "Master Argument." Known for championing tar-water as medicine, this author of a *Treatise Concerning the Principles of Human Knowledge* rejected John Locke and the ideas of materialism in favor of idealism. For 10 points, name this Irish bishop who wrote *Three Dialogues Between Hylas and Philonous* .

ANSWER: George **Berkeley**

033-11-30-02115

15. One character in this novel serves the protagonist a rancid seafood meal as she recounts how her girlfriend had been killed. A nun in a bathtub cuts open her stomach and scrubs the entrails in this novel. Its narrator discovers that political dissidents were sent to inferior retirement homes and hears a man proclaim that "nature inevitably takes revenge" when assaulted by projects such as the Three Gorges Dam. The author of this autobiographical novel had hopped on a ramshackle bus to the south after being falsely diagnosed with lung cancer. The characters in this novel are only voices with the names "He," "She," "You," and "I." For 10 points, name this novel set in a Chinese location called Lingshan and written by Gao Xingjian.

ANSWER: **Soul Mountain** [accept **Lingshan** before it is mentioned]

020-11-30-02116

16. An emperor from this Chinese dynasty was defeated and captured by barbarians during the Tumu Crisis. This dynasty passed the Hai Jin laws and faced costal threats from the wokou, a group of Japanese pirates. This Chinese dynasty included the Yongle Emperor, and it also intervned in the Imjin War, helping Korea fight off an invasion from Japan. This dynasty ended after an invasion from the north led by Nurhachi. This dynasty was founded by the Hongwu Emperor, who defeated the Mongols. Although this dynasty sponsored the voyages of Zheng He, it would later ban all trade. For 10 points, Chinese dynasty that came between the Yuan and Manchu and is associated with vases.

ANSWER: **Ming** dynasty

021-11-30-02117

17. A distribution function given for these materials is proportional to temperature raised to the three halves power and a constant equal to about 4.83 times ten to the twenty first power. Because of diffusion, parts of these materials can reach an equilibrium like state called a depletion region. Examples of these materials which are pure are called intrinsic and include mercury cadmium telluride. Depending on how they are modified, they can be called p or n type and have modified Fermi levels indicating a shift in their band gap. Gallium arsenide is a common example of these materials which have their properties altered through the introduction of impurities in a process called doping. For 10 points, name these materials that have properties between an insulator and a conductor.

ANSWER: **semiconductor**

064-11-30-02118

18. This play ends with one of its two choruses mockingly praising Cleophon for fighting so far from his homeland. One character is not allowed on a boat because of his earlier cowardice in which he did not fight in the Battle of Arginusae. The main character of this play attains a club and dons a lion hide, which makes Plathane and her mistress mistake him for Hercules. This play features the constantly complaining slave Xanthias. The central character of this work is charged with determining whether Euripides or Aeschylus is the better playwright. The title chorus in this work sings the nonsense chant "Brekekekex koax koax." For 10 points, name this Aristophanes play in which Dionysus visits the underworld.

ANSWER: *The Frogs* [or *Batrachoi*]

015-11-30-02119

19. In one of the treaties which ended this war, one side ceded Bremen to Hanover and much of Pomerania to Prussia. One side's navy accomplished its first ever naval victory at the Battle of Gangut. The Ottomans temporarily entered this war but withdrew after their victory in the Pruth River Campaign. Poland's Augustus the Strong was forced to abdicate after bowing out of this war with the Treaty of Altranstadt. One side in this conflict was led by Charles XII, who defeated the Danes and won at Narva before losing at Poltava and dying in 1718. For 10 points, name this war between Sweden and a coalition led by Russia's Peter the Great.

ANSWER: Great Northern War [or Second Northern War]

015-11-30-02120

20. This architect designed the University Branch of the Iranian National Bank. His son Jan and daughter Lin worked with him on a corrugated aluminum church and other projects. This architect modeled traditional farmhouses for his Kingo Houses. He spent twelve years working on a project that was burned up by retreating Iraqi forces, his National Assembly building of Kuwait. His best known work contains a John Olsen mural entitled *Salute to Five Bells* and was finished by Ove Arup after budget issues forced this man to resign. That work is located on Bennelong Point and features a roof consisting of concrete panels shaped to resemble shells. For 10 points, name this architect who designed the Sydney Opera House.

ANSWER: Jorn Oberg Utzon

088-11-30-02121

21. The lack of oxidation of this and uranium minerals from Elliot Lake, Canada has been used as evidence of low oxygen levels during the Paleoproterozoic era. Bravoite is a nickel version of this mineral. In anoxic sediments, it is believed that this mineral is formed using a greigite intermediate from mackinawite. Ore bodies of this mineral are colonized and oxidized by *Acidithiobacillus ferrooxidans* and that oxidation is one of the main causes of acid mine drainage. This is found in hydrothermal deposits and is one of the most common sulfide minerals. For 10 points, name this mineral with formula FeS₂ and sometimes called "fool's gold."

ANSWER: pyrite [prompt on fool's gold]

001-11-30-02122

22. One part of this treaty called for the removal of troops from the Aaland Islands and the demolition of fortresses that had been built on them. One section of this treaty specified the return of Kars, Batumi, and Ardahan to the Ottoman Empire. Another section provided for the creation of a Democratic Republic of Armenia, which was nullified when the Ottomans invaded it several months later. Invalidated by both signatories within a year, much of the content in this treaty was reworked by the later Treaty of Rapallo. In it, one side renounced claims to Finland, the Baltic states, and Poland, and agreed to pay a large sum to compensate the other side's business interests. For 10 points, name this treaty between Germany and Russia that ended the eastern front of World War I.

ANSWER: Treaty of Brest-Litovsk

040-11-30-02123

23. At the end of this work, several of the main characters go to a teahouse to visit the tomb of a former leader; the tomb notes that the followers of that leader will one day lead an uprising. One character in this work had fallen asleep while on duty and had threatened to eat a superior officer after being punished. This work focuses on an object composed of a bed, an inscriber and a harrow whose use is less popular with the current commandant. The phrase “be just” is written on a certain device in this work, whose four characters are the explorer, the soldier, the officer and the condemned man. For 10 points, name this Franz Kafka short story that takes place in a prison.

ANSWER: “**In the Penal Colony**” [or “**In der Strafkolonie**”]

064-11-30-02124

1. This man worked with Benedict Arnold to take Ticonderoga. For 10 points each:

[10] Name this man who led the Green Mountain Boys with Seth Warner.

ANSWER: Ethan **Allen**

[10] This other Vermonter was a Senator who introduced the bill that granted funding and property to dozens of his namesake “land grant” colleges.

ANSWER: Justin Smith **Morrill**

[10] William A. Palmer became governor of Vermont on this party’s ticket in 1831. Its most successful presidential candidate was William Wirt.

ANSWER: **Anti-Masonic** Party

015-11-30-02201

2. This man's *Parnassus* idyllicly depicts Venus and Mars, although he is better known for his series *The Triumphs of Caesar*. For 10 points each:

[10] Name this painter of a foreshortened Jesus, which is found in his *The Dead Christ*.

ANSWER: Andrea **Mantegna**

[10] Andrea Mantegna's masterpiece, the so called *Camera degli Sposi* is found in the Palazzo Ducale of this city. It is in this city where you can see Mantegna's cherubim that seem to descend from an oculus.

ANSWER: **Mantua**

[10] Mantegna also painted this woman, who holds the head of Holofernes in a scene painted by Artemisia Gentileschi and many other artists.

ANSWER: **Judith**

033-11-30-02202

3. A cadet branch of this dynasty ruled the Italian duchy of Montferrat. For 10 points each:

[10] Identify this house whose members included Manuel II, who was controversially quoted by the Pope in 2006, and Michael VIII, who ascended to the throne after expelling the Latin Empire from Constantinople.

ANSWER: **Paleologus** Dynasty [or **Paleologi** ; or **Paleologue**]

[10] The last Byzantine emperor of the Paleologus dynasty was this man, who was killed when the empire fell to the Ottomans in 1453.

ANSWER: **Constantine XI** [prompt on **Constantine**]

[10] The Paleologus dynasty lived on in the Russian tsars, because this niece of Constantine married Ivan III, leading to Moscow’s claim to be the “third Rome.”

ANSWER: **Zoe** [or **Sophia**]

019-11-30-02203

4. Some symptoms of Lesch-Nyhan syndrome can be controlled using allopurinol. For 10 points each:

[10] Those symptoms refer to the arthritic joint inflammation associated with insoluble crystal deposits that result from this disease.

ANSWER: **gout**

[10] Gout is caused by high levels of this waste product of purine breakdown, excreted by birds, reptiles, and primates like you. Other organisms convert it to urea or ammonia.

ANSWER: **uric acid** or **urate**[do not accept or prompt on "urine"]

[10] One drug commonly used to treat gout, alongside steroids and NSAIDs, is this alkaloid. It binds to microtubule monomers and prevents them from polymerizing, thus stopping cell division.

ANSWER: **colchicine**

003-11-30-02204

5. This scientist discovered the Auger effect before Auger did and co-discovered uranium fission with her nephew Otto Frisch. For 10 points each:

[10] Name this collaborator of Otto Hahn.

ANSWER: Lise **Meitner**

[10] Meitner was a student of this physicist whose transport equation describes the evolution of the single particle distribution function for a gas. He also developed the H theorem.

ANSWER: Ludwig Eduard **Boltzmann**

[10] Boltzmann names a distribution for particle velocities in an ideal gas with this man.

ANSWER: James Clerk **Maxwell**

001-11-30-02205

6. This author created a series of novels centered around the character Enderby. For 10 points each:

[10] Name this author who also wrote *Earthly Powers*.

ANSWER: Anthony **Burgess** [or John Burgess **Wilson**]

[10] Burgess is clearly better known for this work, in which the violent Alex is arrested and undergoes the Ludovico technique.

ANSWER: A **Clockwork Orange**

[10] In *A Clockwork Orange*, this invented language is spoken by the members of Alex's gang.

ANSWER: **Nadsat**

088-11-30-02206

7. This fault intersects with the Garlock fault and Movement along it caused major earthquakes in 1906 and 1989. For 10 points each:

[10] Name this major fault of California.

ANSWER: **San Andreas** Fault

[10] The San Andreas Fault is this type of strike-slip fault where no change in the amount of lithosphere occurs. They see the plates move horizontally with respect to one another.

ANSWER: **transform** fault

[10] This major earthquake of San Andreas Fault on October 17th, 1989 is known by this name. It is named for the peak in the Santa Cruz Mountains where the epicenter was located.

ANSWER: **Loma Prieta** Earthquake

001-11-30-02207

8. This deity killed Thrym after disguising himself as Freya to retrieve Mjollnir. For 10 points each:

[10] Name this Norse thunder god.

ANSWER: **Thor**

[10] At the palace of Utgard-Loki, Thor could not pick up one of these animals, which was actually the Midgard Serpent. Freya's chariot is pulled by these animals.

ANSWER: **cats**

[10] Thor receives a cauldron for Aegir's feast by throwing a goblet at this giant, with whom he goes fishing for the Midgard Serpent.

ANSWER: **Hymir**

080-11-30-02208

9. Two of this man's son, Nadab and Abihu, were killed for bringing a "strange fire" into the tabernacle. For 10 points each:

[10] Name this Biblical leader, head of the Levites and brother of Moses.

ANSWER: **Aaron**

[10] Moses's sister was this woman, who watched him after he was set adrift on the Nile and later sang a victory song after the Israelite escape from Israel.

ANSWER: **Miriam**

[10] This priest of the Midianites is Moses's father-in-law. He names the portion of the book of Exodus in which the Israelites receive the Torah at Mt. Sinai.

ANSWER: **Jethro** or **Yitro**

081-11-30-02209

10. This commander of the photographic division of the American Expeditionary Force during World War I had a 1913 double issue of *Camera Work* devoted to his work. For 10 points each:

[10] Name this photographer of *The Pond - Moonlight*, a pioneer of fashion photography who co-founded the Photo-Secession movement.

ANSWER: Edward **Steichen** [or Eduard Jean **Steichen**]

[10] Steichen organized this immensely popular 1955 photographic exhibition of over five hundred photographs submitted from sixty-eight countries, which was meant to "cover the gamut of human relations."

ANSWER: *The **Family of Man***

[10] Among the photographs exhibited at the *Family of Man* exhibition was this artist's *Migrant Mother*, the most iconic of her photographs depicting Depression families.

ANSWER: Dorothea **Lange**

003-11-30-02210

11. Name these Japanese novels, for 10 points each.

[10] In this Kawabata novel, the wealthy protagonist falls in love with the geisha Komako in a hot spring town that is presumed to be Yuzawa.

ANSWER: **Snow Country** [or **Yukiguni**]

[10] In this Shusaku Endo novel, two Portuguese Jesuits are tortured to the point of renouncing their faith by the Japanese authorities.

ANSWER: **Silence** [or **Chinmoku**]

[10] In this Tanizaki novel, Kaname is fascinated with America and urges his wife to have an affair after losing his passion for her.

ANSWER: **Some Prefer Nettles** [or **Tade Ku Mushi**]

015-11-30-02211

12. Safety in a chemistry lab is very important. For 10 points each:

[10] Chemicals are accompanied by this type of form with a four letter abbreviation, which provides basic chemical properties and safety and handling tips.

ANSWER: **material safety data sheet** [or **MSDS**]

[10] NFPA 704 is a type of symbol which in part gives information about this property for a compound. This property indicated by the color red for the NFPA 704 is high for fuels like propane.

ANSWER: **flammability** [accept equivalents like **flammable**]

[10] This compound has a blue value of 4 for the NFPA 704, indicating that it is extremely lethal. This gas consists of a carbon double bonded to oxygen and single bonded to two chlorine atoms.

ANSWER: **phosgene** [prompt on "carbonyl dichloride"]

064-11-30-02212

13. He wrote about three old men who miraculously run across water to catch the archbishop's departing ship in his story "Three Hermits" For 10 points each:

[10] Name this Russian author of "Master and Man" whose other stories "How Much Land Does a Man Need" and "Sevastopol in December."

ANSWER: Leo **Tolstoy**

[10] This Tolstoy character has a friend named Schartz and a daughter named Lisa but is comforted only by his servant Gerasim as he dies.

ANSWER: **Ivan** Ilyich [or Ivan **Ilyich**]

[10] The title character of this story is abusively overworked by his parents who give him the title demeaning nickname and block his marriage to Ustinya because they fear it would hurt his productivity.

ANSWER: "**Alyosha the Pot**" [or "**Alyosha Gorshok**"]

015-11-30-02213

14. This man employed Einhard as his court historian and was a patron to the scholar Alcuin. For 10 points each:

[10] Name this son of Pepin the Short.

ANSWER: **Charlemagne** [or **Charles the Great**]

[10] This son of Charlemagne was known for his godliness and inherited the Frankish empire on Charlemagne's death. His sons Lothair I, Louis II, and Charles the Bald split the kingdom up.

ANSWER: **Louis the Pious** [or **Louis I**; prompt on **Louis**]

[10] In exchange for the protection offered by Charlemagne, Pope Leo III crowned Charlemagne with this four-word English title on Christmas Day in 800 CE.

ANSWER: "**Emperor of the Romans**"

015-11-30-02214

15. One character in this poem cries "Don't, don't, don't, don't" before shrinking from her husband's arms. For 10 points each:

[10] Name this poem published in *North of Boston* about a husband who tells his wife "I'll follow and bring you back by force" when she tries to leave the house to avoid talking about their dead son.

ANSWER: "**Home Burial**"

[10] This author of "Home Burial" commented on the adage "Good fences make good neighbors" in his poem "Mending Wall."

ANSWER: Robert **Frost**

[10] This Frost poem discusses a "boy too far from town to learn baseball" and concludes "One could do worse than be a swinger of" the title objects.

ANSWER: "**Birches**"

015-11-30-02215

16. He signed the treaty of Tilsit and formed the Holy Alliance. For 10 points each:

[10] Name this Tsar of Russia during the Napoleonic Wars.

ANSWER: **Alexander I** [prompt on **Alexander**]

[10] After the death of Alexander I, his younger brother Nicholas I became Tsar. In response, several thousand soldiers staged this revolt in 1825.

ANSWER: **Decembrist** revolt

[10] The Decembrist revolt was caused by a succession controversy after this man, Nicholas's brother and next in line to rule, renounced his claim to the throne.

ANSWER: Grand Duke **Constantine**

100-11-30-02216

17. Tartaglia developed solutions to the cubic type of this mathematical object. For 10 points each:

[10] Name these sums of powers of a variable with each power term having its own coefficient.

ANSWER: **polynomial**

[10] The set of polynomials over a field forms one of these abstract types. These are sets with two associative operations such that there is distributivity and one operation is commutative plus has inverses.

ANSWER: **ring**

[10] For a polynomial with coefficients a_0 through a_n , this method evaluates the polynomial by defining b_i equal to $a_i + b_{i+1}x$, where b_n is a_n and b_0 is the value of the polynomial at x .

ANSWER: **Horner's** scheme [or **Horner's** rule; or **Horner's** algorithm]

001-11-30-02217

18. This figure is the reason why the author "feared to arouse himself from slumber." For 10 points each:

[10] Identify this entity from a thought experiment in *Meditations on First Philosophy* that spends his existence deceiving the author into believing the illusion around him.

ANSWER: **evil demon** or **evil deceptor** or **evil genius** [accept equivalents]

[10] This French thinker wrote *Meditations on First Philosophy* and *Discourse on Method*.

ANSWER: Rene **Descartes**

[10] Descartes also wrote this tract, which advanced his balloonist theories of the body. The title entities of this work are movements and sensations that arise from moving of animal spirits.

ANSWER: *The **Passions of the Soul*** [or *Les **passions de l'ame***]

033-11-30-02218

19. Until 1984, this country had an ongoing border dispute with Chile over ownership of some islands in the Beagle Channel. For 10 points each:

[10] Name this country that has been led by Bernardino Rivadavia and Domingo Sarmiento.

ANSWER: **Argentina** [or **Argentine** Republic; or Republica **Argentina**]

[10] Argentina was led by Jorge Videla during this period from 1976 to 1983, in which thousands of citizens were killed or disappeared by the government.

ANSWER: **Dirty War** [or **Guerra Sucia**]

[10] This last military dictator fell from power after provoking and losing the Falklands War to the UK.

ANSWER: Leopoldo Fortunato **Galtieri** Castelli

015-11-30-02219

20. Leo Brouwer, a notable composer for this instrument, created the pieces *Paisaje cubano con lluvia* and *Dia del Noviembre* for it. For 10 points each:

[10] Name this string instrument, played by Andres Segovia and Django Reinhardt.

ANSWER: **guitar**

[10] This composer created 12 etudes and 5 preludes for guitar, but is better known for his *Bachianas Brasileiras*.

ANSWER: Heitor **Villa-Lobos**

[10] This composer created the guitar pieces *Capricho arabe* and Gran vals. He is also known for his guitar transcriptions of works by Beethoven, Chopin, and Mendelssohn.

ANSWER: Francisco **Tarrega**

095-11-30-02220

21. The title character of this play is Pyrgopolynices. For 10 points each:

[10] Name this play in which Palaestrio devises a plan to reunite Pleusicles with his girlfriend, Philocomasium.

ANSWER: ***Miles Gloriosus*** [or *The Swaggering Soldier* or anything indicating a boastful soldier]

[10] *Miles Gloriosus* is a comedy by this Roman playwright whose plays often featured clever slaves. His famous play *Menaechmi* was the basis for Shakespeare's *The Comedy of Errors*.

ANSWER: Titus Maccius **Plautus**

[10] Plautus was influenced by this Greek playwright of the New Comedy. His only complete surviving play is *Dyskolos* whose title is often translated as *The Grouch*.

ANSWER: **Menander**

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