



1. This man's son Julian composed five preludes before meeting his untimely end in a boating accident at age eleven. Like Schumann, this man abandoned his career as a performer when he injured his hand in a bout of excessive practicing. He was notoriously fearful of his sixth piano sonata, which he never performed in public. Some of his later pieces take as their basis a synthetic six note chord known as the "mystic" chord. This composer created a symphonic work that used a color organ known as the "Chromola." Besides composing *Prometheus: The Poem of Fire*, he created a piece meant to be performed in the Himalayas for seven days. For 10 points, name this synesthetic Russian composer who intended his *Mysterium* to precede the end of the world.

ANSWER: Alexander Scriabin

052-13-83-02101

2. In QR decomposition, a matrix is factored into one in this form and one in upper triangular form. A linear transformation, T , with this property satisfies the equality inner product of two vectors v and w equals the inner product of $T v$ and $T w$. This type of matrix preserves the inner product and yields the identity when multiplied by its transpose. If a set of vectors satisfies this property, then it is linearly independent. A basis whose vectors are of unit length and have this property can be created with the Gram-Schmidt process. Two vectors with this property have a dot product of zero. For 10 points, identify this property of things that intersect at right angles.

ANSWER: orthogonal [or word forms]

066-13-83-02102

3. Harry Reid was incorrect in his belief that one of these items was found at Bolling Air Force Base. The person likely responsible for these items was earlier accused of multiple counts of child molestation and lost in a 2007 election to Steve Holland. The original person thought to be responsible for these items sang a Randy Travis song to Christi McCoy and works as an Elvis impersonator. These items ended, "I am KC and I approve this message," which led to the arrest of Paul Kevin Curtis. J. Everett Dutschke is believed to have sent these items to Roger Wicker and Barack Obama. For 10 points, name these items mailed in April 2013 that contained a poisonous extract from castor beans.

ANSWER: ricin letters [accept equivalent answers that mention ricin being sent to public officials]

023-13-83-02103

4. A 1952 fire in this city was known as Black Saturday and destroyed the Omar Effendi department store. It is the site of the Ben Ezra Synagogue, whose storeroom was found to contain numerous abandoned Hebrew manuscripts, a collection known as this city's namesake geniza. It was once home to the Khedival Opera House, built on orders of Ismail Pasha. The older portion of this city contains the remnants of Fustat, the original Muslim capital. A major public square in its downtown is named Liberation, or Tahrir Square, and was a major focal point of a 2011 revolution. On its outskirts are the Giza Pyramids. For 10 points, name this largest city in Egypt.

ANSWER: Cairo [or Masr]

052-13-83-02104

5. This man, whose death was the subject of the John Cornwell book *A Thief in the Night*, was compared to Peter Sellers for writing a collection of 1970s letters addressed to people like Dickens, Twain, and Pinocchio. That collection was called *Illustrissimi*. This man's dead body was discovered by Vincenza Taffarel. Conspiracy theories about his death came to light after the suspicious death of Roberto Calvi, the Chairman of Banco Ambrosiano who was known as "God's Banker." This man's death may have involved the Mafia due to corruption in the Vatican Bank. For 10 points, name this pope who reigned for slightly more than a month in 1978 and whose name was adopted by his successor, the Polish Karol Wojtyla.

ANSWER: **John Paul I** [or Albino **Luciani**; prompt on **John Paul**]

052-13-83-02105

6. This artist showed a yellow-clad feminine archer on horseback above cowering nude women in his sole history painting, which he retitled *Misfortunes of the City of Orleans*. This painter showed four tanned European girls wearing only loincloths, who taunt nude stretching boys, in *Young Spartans Exercising*. He often painted the backs of nude women combing or drying themselves, such as in *Woman in the Bath* and *La Toilette*. This artist showed a man reading a newspaper by a table piled high with white fluff in *A Cotton Office in New Orleans* and painted a glum woman in his *Absinthe Drinker*. For 10 points, name this French painter who was unhealthily obsessed with ballerinas.

ANSWER: Edgar **Degas** [or Hillaire-Germain Edgar **de Gas**]

104-13-83-02106

7. This location was the subject of the Denbeaux study by Seton Hall's Center for Policy and Research. Michael Winterbottom made a film about residents of this place called the "Tipton Three." Before being allowed to return to Australia, David Hicks spent six years at this location. In 2005, it was falsely reported that employees here had deliberately flushed a copy of the Quran down a toilet. One of its residents filed the lawsuit *Hamdan v. Rumsfeld*. Barack Obama promised to close this site, which is where Khalid Sheikh Mohammed is currently being held. For 10 points, name this detention camp operated by the United States in Cuba.

ANSWER: **Guantanamo** Bay detention camp [or **G-Bay**; or **Gitmo**; or **Camp X-Ray**]

052-13-83-02107

8. In an attempt to stop this event from happening, one character appeals to religion, which prompts another to say she knows "nothing but what the clergyman said" at her confirmation. Before this happens, that character remarks that eight years have passed, yet "we have never exchanged a word on any serious subject" and recalls how her father treated her like an inanimate object. This event was censored from the German premiere of the play it concludes. Signified by a notorious door slam, it occurs shortly after a bank manager destroys a bond and letters sent by his former employee Krogstad. For 10 points, name this event in Ibsen's *A Doll House* in which the protagonist walks out on Torvald.

ANSWER: **Nora leaving** her family [or obvious equivalents; or **Mrs. Helmer leaving** her family; or Nora **slamming the door** until "door slam" is read]

052-13-83-02108

9. In one paper, this economist stated that the economic complexities of medical care can be explained as "adaptations" to uncertainty in disease prevalence and efficacy of treatment. The Duggan-Schwartz theorem extends one construct developed by this man to a set of results, and that statement named for this man is also generalized by the Gibbard-Satterthwaite theorem. This author of *Social Choice and Individual Values* put forth a theorem which hinges in part upon monotonicity and non-dictatorship. For 10 points, name this economist who proved no voting system could make an adequate choice with his namesake "impossibility theorem."

ANSWER: Kenneth **Arrow**

189-13-83-02109

10. In Thai dramas of this event, Phra Lak exits before it is carried out by Thotsakan. The idea for this action came from a sharp-nailed woman with fish-shaped eyes whose nose had been cut off as punishment for seduction, named Surpanakha. Before this event, a demon skilled at imitating voices, Maricha, became a golden deer to serve as a distraction. A large bird whose wings were cut off trying to stop this event was the vulture-king Jatayu, Garuda's brother. This event's perpetrator disguised himself as a holy beggar in Dandaka forest. It occurred after Lakshmana ran off to find his brother during a fourteen-year exile, and incites a quest to Lanka to slay a ten-headed demon king. For 10 points, identify this event in which Ravana took possession of the wife of Rama.

ANSWER: **abduction** of **Sita** by Ravana [or **abduction** of Nang **Sida**; accept answers featuring ordinary-language synonyms such as **kidnapping** or **capture** for "abduction"; do not accept answers involving "rape" since Sita remains chaste]

104-13-83-02110

11. This experiment served as the basis for Jackson and Broadway's study of "active nitrogen" species. This experiment also served as the basis for an experiment whose result was explained by the assumed effective magnetic moment of dark state polaritons and was carried out by Karpa and Weitz. An extension of this experiment was used by Gordon, Zeiger and Townes to create the first MASER. That extension of this experiment led to the discovery of Rabi oscillations and was a precursor to NMR spectroscopy. This experiment's setup involved firing a beam of silver through an inhomogeneous magnetic field. For 10 points, identify this experiment conducted by two German scientists, which demonstrated that electrons have quantized spin.

ANSWER: **Stern-Gerlach** experiment [or Otto **Stern**-Walther **Gerlach** experiment]

189-13-83-02111

12. One small Gothic church in this city was moved from its precarious position immediately beside a river and purportedly housed a thorn from Christ's crown, resulting in the name Santa Maria della Spina. Gabriele d'Annunzio gave the nickname the "square of miracles" to a walled area in this city surrounded by a "monumental cemetery" and a non-Florentine Duomo whose bronze doors were constructed in Giambologna's workshop. A blind arcade with Corinthian capitals, seven bells, tuned to musical scale, and several lead counterweights can be found in this city's most famous site, where Galileo allegedly conducted his cannonball experiment. For 10 points, name this Italian city, home to a campanile built on an unstable foundation, its Leaning Tower.

ANSWER: **Pisa**

020-13-83-02112

13. One poem from this collection calls its addressee a "liberal and princely giver, who hast brought the gold and purple of thine heart." The last poem in this collection concludes, "Instruct thine eyes to keep their colors true, and tell thy soul, their roots are left in mine." The author of this collection asks not to be loved "except for love's sake only" and to be called by her "pet-name." This collection's best-known poem lists "freely, as men strive for right" and "purely, as they turn from praise" among the answers to the opening question, "How do I love thee?" For 10 points, name this collection of fourteen-line love poems by Elizabeth Barrett Browning.

ANSWER: ***Sonnets from the Portuguese***

192-13-83-02113

14. After leaving this place, a person quotes Homer in saying “better to be the poor servant of a poor master” than live here after he rejects the “habit of conferring honors” on those who are the quickest to observe certain things. The residents of this place joke about someone “who lost his eyes.” It is described to Glaucon immediately after the analogy of the divided line. In this place, people are chained and have an enormous fire and a walkway behind them, which results in them seeing shadows of people on the opposite wall that they interpret as real things. For 10 points, name this place described by Socrates in Plato’s *Republic*.

ANSWER: the **cave** [or **underground** den; prompt on **prison**; accept obvious descriptions]

052-13-83-02114

15. A response to this play includes a fifty-year time jump between its two acts and tells of Russ and Bev, whose son Kenneth committed suicide after the Korean War. This play was the basis for the Bruce Norris play that won the 2011 Pulitzer Prize. In one scene from this play, Bobo arrives to reveal that Willy Harris stole \$6500 intended as a liquor store investment. In this play, Asagai tries to convince Beneatha to move to Africa with him, while Mama decides what to do with an insurance check from Walter's death. For 10 points, name this play about the Younger family's move to Clybourne Park, written by Lorraine Hansberry.

ANSWER: A ***Raisin in the Sun***

080-13-83-02115

16. The shopkeeper Ignatius Sancho described this event in letters to John Spink in which he bemoaned the "worse than Negro barbarity." This event's namesake later converted to Judaism and became Yisrael bar Avraham. This event resulted in John Wilkes losing popularity after he led soldiers stationed at a bank. During this event, a graffiti artist notoriously wrote the words "King Mob" on the wall of Newgate Prison. This event was supported by its namesake's Protestant Association, who opposed an act needed to increase the army's size during the American War of Independence. For 10 points, name these riots against the Catholic Relief Act that swept London in 1780.

ANSWER: **Gordon Riots**

052-13-83-02116

17. One of this author’s title characters owns a pet ostrich, survives an arsenic-laced birthday cake, and spews green blood after she is finally killed by Ulises. He wrote a short story in which a sane woman is taken in by a mental asylum in spite of her pleas that she only came to use the phone. In a novella, this author described a rooster once owned by Agustin, which the pension-awaiting protagonist refuses to allow to fight. The title character of another of his stories is kept in the chicken coop and believed to be an angel. In one of his novels, the violation of their sister leads the Vicario brothers to kill Santiago Nasar. For 10 points, name this author of *Chronicle of a Death Foretold* and *One Hundred Years of Solitude*.

ANSWER: Gabriel **Garcia Marquez**

190-13-83-02117

18. This event was encouraged by the secret Project FUBELT. Members of the Weather Underground bombed ITT Corporation for supporting this event. Charles Horman was killed during it, a death that was the subject of the Costa-Gavras film *Missing*. During this event, Defense Minister Orlando Letelier was arrested and tortured. Following this event, the Caravan of Death killed numerous individuals. Its target, the head of the Popular Unity Party, apparently committed suicide in the presidential palace, La Moneda. For 10 points, name this 1973 event that overthrew the first democratically elected Marxist president in South America and led to Augusto Pinochet seizing power.

ANSWER: 1973 **Chilean coup** d'etat [or **September 11**, 1973, coup in Chile; accept answers like **overthrowing** Salvador **Allende**; accept **Pinochet's coup** before "Pinochet" is read]

052-13-83-02118

19. One entity named for this man is innervated by one-B afferents. He discovered a technique in which silver chromate particles are fixed to a neuron membrane by reacting silver nitrate with potassium dichromate. He named one reaction he discovered the "black reaction." That technique of staining nervous tissue is now named for him, although it was refined by his fellow Nobel laureate, Santiago Ramon y Cajal. This scientist names a sensory receptor organ located where skeletal muscle fibers enter tendons. He discovered an entity that consists of flattened membrane disks called cisternae. This man names an object that packages proteins inside a cell. For 10 points, name this Italian scientist who has a namesake "body," an organelle found in most eukaryotic cells.

ANSWER: Camillo **Golgi**

052-13-83-02119

20. Fred Cohen proved in 1984 that no algorithm exists to detect these entities. Veith Risak created an assembly language variant of this entity that was based on theories put for in a 1966 paper by John von Neumann. That paper introduced the theory of self-replicating automata. In the 1980s, a proof-of-concept version of this entity notably displayed the message "catch me if you can!" In addition to "Creeper", a more recent type of this entity has affected over one million computers and is called "Gozi". For 10 points, identify these computer programs that are targeted by Kaspersky Lab and McAfee, and which behave in a manner similar to their biological counterparts.

ANSWER: computer **viruses** [or computer **worms**; or **malware**; or **malicious computer programs** ; or other types of malicious "ware"]

145-13-83-02120

21. This poem describes a "love so much refined that ourselves know not what it is, inter-assured of the mind." In its third stanza, the speaker claims that "trepidation of the spheres" is "innocent," though "moving of th' earth brings harms and fears." This poem uses the simile "like gold to aery thinness beat" to describe the expansion of two souls. It ends by stating, "thy firmness makes my circle just, and makes me end where I begun" after expounding the metaphor of the speaker and his lover as the two legs of a compass. For 10 points, name this John Donne poem attempting to dispel the sadness of a farewell.

ANSWER: "A **Valediction: Forbidding Mourning**"

192-13-83-02121

22. One powerful noble who switched sides during this conflict was Ranulf de Gernon, the Earl of Chester. Another leader in this conflict escaped capture by hiding on a funeral bier, then later escaped Oxford by dressing in white and walking across the frozen River Thames. During this conflict, Robert of Gloucester led forces that won the Battle of Lincoln. This conflict ended with the Treaty of Wallingford. This time period began after the death of Henry I, whose only son William died aboard the White Ship. For 10 points, name this time period during which the Empress Matilda and Stephen of Blois battled it out for control of England.

ANSWER: **Anarchy** [or **Nineteen Year Winter**]

140-13-83-02122

23. This city was known as Aquincum in Roman times, a reference to its many hot springs. Many famous residents of this city are buried at its Kerepesi cemetery. Visitors to this city may stay at its famous Gellert Hotel, and Jews in this city built the Dohany Street Synagogue. Fourteen statues of historic figures can be found in this city's Heroes Square. The Chain Bridge across the Danube, completed in 1849, connected the two separate cities that merged to make this national capital. For 10 points, name this largest city in Hungary.

ANSWER: **Budapest**

021-13-83-02123



1. This character is last seen complaining about the heaviness of his heart and being comforted by Sonya. For 10 points each:

[10] Name this man who manages the rural estate of Professor Serebryakov. This character loves Serebryakov's wife, Yelena, and he anticlimactically shoots at but misses the professor.

ANSWER: Uncle Vanya [or Ivan Petrovich Voynitsky; or Ivan Petrovich Voynitsky]

[10] Uncle Vanya is the title character of a play written by this author of *The Cherry Orchard*.

ANSWER: Anton Chekhov

[10] Unlike Chekhov's other major plays, *Uncle Vanya* was not a new composition, but a reworking of this earlier play, which Chekhov initially planned as a collaboration with Aleksey Suvorin.

ANSWER: *The* Wood Demon [or Goblin]

052-13-83-02201

2. The argument "All rabbits are US Presidents, Barack Obama is a rabbit, therefore Barack Obama is a US President" *does* have this property. For 10 points each:

[10] Name this property of an argument, which means its conclusion follows from its premises if the premises are all presumed be true, though they may not be.

ANSWER: argumentative validity [or deductive validity]

[10] This British thinker's namesake "shift" is the logical fact that if "p, q, therefore r" is a valid argument, then "not r, q, therefore not p" is also valid, and either could be true. He used that that namesake shift in the "Here is a hand" argument from *A Defense of Common Sense*.

ANSWER: George Edward Moore

[10] Moore's "here is a hand" argument tries to refute this attitude that the real truth about the external world is unknowable.

ANSWER: philosophical skepticism [or solipsism; accept word forms]

104-13-83-02202

3. The title character of this short story previously worked at the dead letter office. For 10 points each:

[10] Name this Herman Melville short story about an enigmatic character who works with Turkey and Nippers.

ANSWER: "Bartleby, the Scrivener"

[10] Whenever he is asked to do work, Bartleby repeatedly gives this five-word response.

ANSWER: "I would prefer not to"

[10] This other Melville short story consists of ten sketches, often with epigraphs from *The Faerie Queene*, including "A Pisgah View from the Rock" and "Runaways, Castaways, Solitaires, Gravestones, Etc."

ANSWER: "The Encantadas"

189-13-83-02203

4. A forest near this mountain is the world's second most popular suicide location after the Golden Gate Bridge. For 10 points each:

[10] Name this highest mountain in Japan, which is located on Honshu.

ANSWER: Mount **Fuji**

[10] This aforementioned forest contains various rocky caverns and according to folklore, is a site filled with demons. It is known as the "Sea of Trees."

ANSWER: **Aokigahara**

[10] Mount Fuji is located at the triple junction where the Amurian Plate, the Philippine Sea Plate, and the Okhotsk Plate meet. The Sea of Okhotsk is near this peninsula in the Russian Far East.

ANSWER: **Kamchatka** Peninsula

052-13-83-02204

5. This culture was defined as one in which society "inculcates absolute standards of morality and relies on men's developing a conscience." For 10 points each:

[10] Name this type of culture that focuses on having a clear conscience and was contrasted with another culture in a study written right after World War II.

ANSWER: **guilt** culture

[10] America's guilt culture was contrasted with Japan's shame culture in this work of anthropology.

ANSWER: *The **Chrysanthemum and the Sword**: Patterns of Japanese Culture*

[10] This author of *Patterns of Culture* and *Zuni Mythology* wrote *The Chrysanthemum and the Sword*.

ANSWER: Ruth **Benedict** [or Ruth **Fulton**]

023-13-83-02205

6. One building built for this event was known as the "Great Shalimar." For 10 points each:

[10] Name this 1851 event organized by Henry Cole and Prince Albert for which the Joseph Paxton-designed Crystal Palace was built.

ANSWER: **Great Exhibition** of the Works of Industry of all Nations [prompt on **World's Fair**; prompt on **Crystal Palace Exhibition**]

[10] Prince Albert was married to this queen who ruled England for over 63 years, longer than any other British monarch.

ANSWER: Alexandrina **Victoria**

[10] This man was Prime Minister when Victoria took the throne and trained her in the art of politics. His resignation led to the Bedchamber Crisis.

ANSWER: William Lamb, Second Viscount **Melbourne** [or William **Lamb**]

052-13-83-02206

7. This man said "any ass can see" that his first symphony was a conscious homage to Beethoven. For 10 points each:

[10] Name this composer of the *Academic Festival Overture* and a "Lullaby," whose first symphony has been referred to as "Beethoven's Tenth" by smart-aleck musicologists.

ANSWER: Johannes **Brahms**

[10] This Brahms concert overture was meant to contrast with the joyful expression in the *Academic Festival Overture*. Its three main sections are all in the key of D minor.

ANSWER: **Tragic** Overture, Op. 81 [or **Tragische Ouvertüre**]

[10] Brahms may have channeled his romantic feelings for Julie Schumann into this choral piece, based on verses from Goethe's *Harzreise im Winter*.

ANSWER: **Alto Rhapsody**, Op. 53 [or **Rhapsody for alto**, male chorus, and orchestra, Op. 53]

052-13-83-02207

8. This man filed lawsuits against the Oneida community's founder, John Humphrey Noyes. For 10 points each:

[10] Name this insane man who shouted "I am a Stalwart!" during an action that led to the passage of the Pendleton Civil Service Act.

ANSWER: Charles Julius **Guiteau**

[10] Guiteau assassinated this President, who was succeeded by Chester Alan Arthur.

ANSWER: James Abram **Garfield**

[10] This man served on the prosecution team during Guiteau's trial. As Secretary of War, this man endorsed the 1901 Platt Amendment to authorize American intervention in Cuba.

ANSWER: Elihu **Root**

052-13-83-02208

9. Simon Marius tried to name this moon the "Jupiter of Jupiter". For 10 points each:

[10] Name this largest moon of Jupiter and largest moon in the Solar System.

ANSWER: **Ganymede**

[10] Jupiter's moons of Ganymede, Europa, and Io form a stable 1:2:4 orbital resonance, which is a type of resonance named for this French mathematician.

ANSWER: Pierre-Simon, marquis de **Laplace**

[10] The Laplace resonance is also found in star number 876 of this catalog. This catalogue of nearby stars includes one with three confirmed exoplanets, number 581.

ANSWER: **Gliese** Catalogue of Nearby Stars

052-13-83-02209

10. Name some chemistry lab materials named for chemists. For 10 points each:

[10] This particular kind of flask used in a chemistry lab has a cylindrical upper neck above a conical body and flat bottom. It is named for a German chemist.

ANSWER: **Erlenmeyer** flask

[10] Pasteur names a particular kind of these glass lab materials, which are used in virtually every organic chemistry lab procedure. They are often used in conjugation with latex bulbs.

ANSWER: **pipettes**

[10] This chemist names a glass adapter used in reflux techniques, where one channel leads to a condenser and another leads to a separatory funnel.

ANSWER: Rainer Ludwig **Claisen**

189-13-83-02210

11. The first one of these subsets of a larger musical work features accompaniment from an electric organ. For 10 points each:

[10] Name these things, the fifth one of which is partially a story of two lovers sitting on a park bench under the moonlight. The fourth one of these interludes precedes sections called "Building" and "Bed."

ANSWER: **knee plays** from *Einstein on the Beach* [do not accept or prompt on "*Einstein on the Beach*" alone]

[10] *Einstein on the Beach* is a four-act opera composed by this American minimalist composer.

ANSWER: Philip Morris **Glass**

[10] Glass collaborated with Constance DeJong on the libretto for this opera, the second in Glass's "Portrait Trilogy," which is loosely based on the life of Gandhi.

ANSWER: **Satyagraha**

189-13-83-02211

12. This neurotransmitter is a central part of the mesolimbic pathway extending from the VTA to the nucleus accumbens. For 10 points each:

[10] Identify this neurotransmitter which is heavily involved in the brain's reward pathways. It is a precursor to epinephrine.

ANSWER: **dopamine** [prompt on **DA**]

[10] This family of enzymes originally discovered by Mary Bernheim functions by breaking down dopamine, tryptamine, and other associated neurotransmitters. It catalyzes the conversion of metanephrine to VMA.

ANSWER: L-**monoamine oxidase** [or **MAO**; or **MAO-A**; or **MAO-B**]

[10] Haloperidol, which is used to treat psychotic states, acts as this specific type of agonist for dopamine receptors. AgRP is an endogenous example of this kind of agonist which binds to the same receptor as other agonists, but produces the opposite response.

ANSWER: **inverse** agonist

189-13-83-02212

13. This psychopomp aided Io by killing the hundred-eyed Argos Panoptes. For 10 points each:

[10] Name this Greek deity, an owner of winged boots who served Mount Olympus as the messenger god.

ANSWER: **Hermes**

[10] Hermes was the son of Zeus and this nymph, a member of the Pleiades. This figure also raised Arcas, the offspring of Callisto.

ANSWER: **Maia**

[10] In some legends, Hermes was raised by Acacus, the son of this evil Arcadian king. This man's attempt to feed human flesh to Zeus enraged Zeus to the point of destroying humanity with a flood.

ANSWER: **Lycaon**

192-13-83-02213

14. In this novel, Madame Permaneder diligently pours delicious hot chocolate with whipped cream as part of her daily routine as maidservant. For 10 points each:

[10] Name this novel about Thomas, Hanno, and several other members of a merchant family in Lübeck.

ANSWER: ***Buddenbrooks: The Decline of a Family*** [or ***Buddenbrooks: Verfall einer Familie***]

[10] *Buddenbrooks* was written by this German author of *The Magic Mountain* and *Death in Venice*.

ANSWER: Thomas **Mann**

[10] This member of the Buddenbrook family is forced to marry a successful merchant despite her romance with the medical student Morten, whom she met in a seaside town.

ANSWER: **Tony** Buddenbrook

020-13-83-02214

15. This organization's motto was "Shield and Sword of the Party." For 10 points each:

[10] Name this state security service for East Germany that helped to set up the secret police of Idi Amin and Fidel Castro, among many other repressive activities.

ANSWER: **Stasi** [or **Ministry for State Security**; or **Ministerium fuer Staatssicherheit**]

[10] The Stasi frequently collaborated with this Russian secret police once headed by Soviet leader Yuri Andropov.

ANSWER: **KGB** [or **Committee for State Security**; or **Komitet Gosudarstvennoy Bezopasnosti**]

[10] The KGB may have assisted in the assassination of Bulgarian dissident Georgi Markov in 1978.

Markov died after he was shot with a micro-pellet containing ricin, which was fired by a man wielding one of these objects.

ANSWER: **umbrella**

052-13-83-02215

16. During a game of blindman's bluff, one character ends up getting his foot trapped in this object. For 10 points each:

[10] Name this item which Stanley Webber receives as a birthday gift in a play. It seems oddly childish for Stanley, who is last seen being taken away by Goldberg and McCann.

ANSWER: a toy **drum**

[10] Stanley is the protagonist of the *The Birthday Party*, a play by this English author of *Betrayal* and *The Dumb Waiter*.

ANSWER: Harold **Pinter**

[10] In *The Dumb Waiter*, Ben and Gus have an argument over a certain semantic phrase. The two argue whether or not the phrase is "light" this object or "put on" this object found in a kitchen. Please give the exact word used in the play.

ANSWER: the **kettle** [do not accept any other answers]

052-13-83-02216

17. This phenomenon resolved the tau-theta puzzle and was first confirmed by the decay of neutral kaons. For 10 points each:

[10] Name this phenomenon in which decay via the weak force does not conserve the symmetry between the two namesake quantities.

ANSWER: **CP** violation [or **charge** conjugation-**parity** symmetry violation]

[10] CP violation is one of Sakharov's conditions for baryogenesis, which may explain why this substance is rarely seen in the universe. It is the opposite of matter.

ANSWER: **antimatter**

[10] Some decays involving CP violation can be described by this class of Feynman diagrams. The particle processes depicted on these diagrams are often observed in B meson decays.

ANSWER: **penguin** diagrams

140-13-83-02217

18. The first recorded mention of this province is found in Adam of Bremen's "description of the islands of the north" in his *History of the Archbishops*. For 10 points each:

[10] Name this designation given to a settlement that included the site of L'Anse aux Meadows (LAHNCE-oh-MEH-doe) in Newfoundland.

ANSWER: **Vinland**

[10] The settlement at Vinland was established by this Viking explorer, a son of Erik the Red whose story is partly told in the *Saga of the Greenlanders*.

ANSWER: **Leif Ericson** the Lucky [or **Leiv Eriksson** den Hepne; or **Leifur Eiriksson**]

[10] This king baptized Leif Ericson and was instrumental in the spread of Christianity throughout Norway, building its first Christian church. In his attempts to make Sweden Christian as well, he offered marriage to the pagan Sigrid the Haughty.

ANSWER: **Olaf** I of Norway [or Olaf **Trygvasson**]

192-13-83-02218

19. Adel Almi, a religious figure in this country, recently called for the lashing or possible stoning of Amina Tyler. For 10 points each:

[10] Identify this country which has been home to significant controversy after Tyler posted topless pictures of herself.

ANSWER: **Tunisia**

[10] Amina Tyler is a member of this feminist organization based in Ukraine, partially known for its topless protests. A recent topless protest by this group against Vladimir Putin apparently resulted in Putin enjoying the experience.

ANSWER: **FEMEN**

[10] Two years prior to Tyler's protest, a more dramatic demonstration in which a vegetable salesman set himself on fire set in motion the events that led to this longtime ruler of Tunisia stepping down.

ANSWER: Zine El Abidine **Ben Ali**

189-13-83-02219

20. In one painting, this person appears under a triumphal arch with hanging green silk brocade, attended to by Seigneur de St. Antoine. For 10 points each:

[10] Name this king, who emerges from a thicket, wearing full black armor and riding a pony in an equestrian portrait by Anthony van Dyck.

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

[10] The *Equestrian Portrait of Charles I* was inspired in part by this German woodcut master's engraving *Knight, Death, and the Devil*.

ANSWER: Albrecht **Durer**

[10] Bernini modeled a bust on van Dyck's 1636 portrait of Charles I, which had this unique attribute. Norman Rockwell also produced a self-portrait with this attribute, which spawned a parody in which Walt Disney looks at a mirror while drawing Mickey Mouse.

ANSWER: **triple** portrait [or portrait from **three** different positions; accept anything suggesting that there are **three** of the subjects being portrayed]

020-13-83-02220

21. This man was converted to a life of mysticism after a stay at the Verkhoturys Monastery. For 10 points each:

[10] Name this "Mad Monk" who served as a spiritual adviser to the Romanov family. During his violent assassination, he was poisoned, shot, and beaten before he was thrown into the Neva River.

ANSWER: Grigori Yefimovich **Rasputin** [or Grigori Yefimovich **Novykh**]

[10] Rasputin developed a particularly close relationship with this prince, who was born with the "royal disease," hemophilia.

ANSWER: **Alexis** [or **Aleksei** Nikolayevich]

[10] During the coronation of Aleksei's father, Nicholas II, over a thousand people died in this massive stampede that resulted from a rumor that there wasn't enough alcohol for everyone.

ANSWER: **Khodynka** Tragedy

192-13-83-02221