



1. An example of this general type of technique in quantum optics affects rapidly oscillating terms in a Hamiltonian and is the rotating wave example. In a lowly-doped semiconductor, an example of this type of technique is the use of the Maxwell–Boltzmann distribution. Separating the electronic motion and nuclear motion of a molecule is an example of this type of technique, as is the semiclassical expansion of a wavefunction, which are the Born–Oppenheimer and WKB techniques, respectively. An example of it, often applied in pendulum analysis, uses the first terms of a Taylor expansion to replace sine of alpha with alpha, and cosine of alpha with one, for small angles. For 10 points, name this type of technique in which the computational difficulty of a physics problem is reduced by not computing all terms exactly.

ANSWER: approximation [or word forms, such as approximating] <Voight>

2. A character in this novel is hit in the face by spitballs while watching a play in which the stage goes dark after a hairdresser hits the electric cord with her broom. In this novel, a man wears a bandage on his ear after it is set on fire during a home invasion. A character in this novel decides to make Teresa Guiccioli (gwee-CHOH-lee) a middle-aged widow in his opera *Byron in Italy*. This novel's protagonist takes euthanized dogs to an incinerator while volunteering for an animal welfare clinic run by Bev Shaw. Its protagonist moves onto a farm with his daughter Lucy after he resigns from his job as a Communications Professor at a university in Cape Town. For 10 points, name this novel focusing on the events following David Lurie's seduction of his student Melanie Isaacs, by J. M. Coetzee.

ANSWER: Disgrace <Collins>

3. A court case started as a result of this event named Shano Collins the wronged party by alleging he lost 1,784 dollars. A signal to participants at the beginning of this event was an object thrown at the back of Morrie Rath. Hugh Fullerton and his protégé, Ring Lardner, were among the first to investigate this scandal. Arnold Rothstein claimed to have turned down "Sport" Sullivan's offer to become involved in this scandal. In the wake of this scandal, Judge Kenesaw Mountain Landis was given unlimited authority, resulting in the permanent expulsion of men like Shoeless Joe Jackson. For 10 points, name this scandal in a World Series in which eight players from the losing team intentionally lost games.

ANSWER: Black Sox Scandal [or 1919 World Series; or 1919 after World Series is read] <Cheyne>

4. In a film from this country, a boy atones for setting fire to his cruel brother's motorbike by working in a circus. Religious strife, lesbianism, and misogyny in this country were examined, respectively, in *Earth*, *Fire*, and *Water*, three films comprising the *Elements* trilogy. A producer born in this country adapted several E. M. Forster novels in collaboration with director James Ivory. The masterpiece of its Parallel Cinema movement is a film in which a boy and his sister run to catch a glimpse of a train. That film, *Pather Panchali*, is the first in a trilogy from this country about the upbringing of Apu. For 10 points, name this country where Satyajit Ray produced realistic films as an alternative to those of commercial Bollywood.

ANSWER: **India** [or Republic of **India**; or **Bharat** Ganarajya] <Cheyne>

5. During the most popular version of this ceremony, an open door facing east is the only entrance to the "hocoka", a temporary arbor built around a cottonwood tree. Some participants in this ceremony plunge hooks into the skin on their chests, which are attached to poles set in the ground by bison sinews. A series of rafters are set around a sacred pole within a medicine lodge in the Blackfoot version of this ritual, which was suppressed in the United States and Canada until the mid-20th century. For 10 points, the Sioux and other Plains Indians practice what ritual in which the power of a heavenly body is invoked?

ANSWER: **sun dance** [or **wi wanyang wacipi**; or **sun** gazing **dance**] <Weiner>

6. The holder of this post once told Mike Coffman, "I've run a large company, sir. What have you done?". That holder of this post once told "Meet the Press" that 60 employees had been fired, but later backtracked to say it was only eight. The man who holds this post apologized in 2015 for lying about his past in a clumsy effort to "connect" with a homeless man in Los Angeles. It is currently held by a former head of Procter and Gamble who was strongly chided for comments comparing his department to the "experience" at Disney theme parks. Eric Shinseki resigned from this position in 2014 and was succeeded by the gaffe-prone Robert McDonald. For 10 points, holders of what Cabinet position have faced scandals about the lack of timely healthcare for military members?

ANSWER: Secretary of **Veterans Affairs** [or **VA**; do not accept "Department of Veterans Affairs"] <Cheyne>

7. The term "Erstororientierung" (AIRST-orient-tee-roong) is used to describe the behavior of these animals in novel situations. Spallanzani sequentially destroyed the special senses of these animals to explain a phenomenon eventually characterized by Galambos and Griffin. Several species of these animals have been ravaged by infection with *P. destructans*. Some of these animals modulate vocalization using noseleaves. The CF types of them use Doppler-shift compensation to optimize input to their acoustic fovea. A myotis species of them has been extirpated in multiple sites by white-nose syndrome. The Egyptian tomb species of these animals in the order Chiroptera carries the coronavirus that causes MERS, and they are believed to be the reservoirs of ebola virus. For 10 points, name these winged mammals.

ANSWER: **bats** [or specific species of bat] <Smart>

8. A character who lives in this city constantly recalls how he once worked a day in a grocery store in exchange for a ham that he was never given. An owner of a restaurant in this city rejects a buyout offer of 10,000 dollars from a funeral home owner. At the end of a play set in this city, a World War II veteran blows his trumpet to open the gates of heaven for his father, but no sound comes out. This city's residents include Aunt Ester, who is supposedly 322 years old in the play *Two Trains Running*. In another play set here, a garbageman chastises his son for leaving his job at the A&P to play football. For 10 points, name this city home to Troy Maxson in *Fences*, and which titles a cycle of plays written by August Wilson.

ANSWER: **Pittsburgh** <Droge>

9. Many depictions of this battle include a mounted Saint George with a lance in a red, yellow, and green semicircle above the fighting assisting the victors of this battle. Oromo cavalry shouted "Reap! Reap!" during their slaughter of an entrapped brigade during this battle. The victors in it were assisted by a shipment of Russian arms organized by Nikolay Leontiev. The losing commander in this battle was ordered to advance against his judgment by Francesco Crispi, who was forced to resign in the aftermath of it. This battle led to the signing of a treaty that nullified the earlier Treaty of Wuchale. Oreste Baratieri was court-martialed for his defeat during it. For 10 points, name this victory for Menelik II that prevented Italian colonization of Ethiopia.

ANSWER: Battle of **Adowa** [or Battle of **Adwa**] <Lou>

10. In a letter, an artist called one of these places a "devil's furnace" because he painted its contrasting teal ceiling and red walls. Japanese prints hang in the background of one of these places in a painting depicting the artist's model and mistress Agostina Segatori. A painting of one of these places was used to settle a debt with Joseph Ginoux (jee-NOO), who appears dressed in white. A painting of a terrace at one of these places includes a night sky similar to the artist's *Starry Night Over the Rhône*. An 1888 painting of one of these places features three-equally placed ceiling lights and a billiards table. For 10 points, name these places depicted in two paintings by Vincent van Gogh that both show several tables. ANSWER: **cafés** [or *Agostina Segatori Sitting in the Café du Tambourin*; or *The Night Café*; or *Café Terrace at Night*; prompt on restaurants or obvious equivalents of "restaurants"] <Golimlim>

11. The losing side in this battle had been reinforced by six thousand troops under the command of Antonin, the Comte du Lauzun (low-ZUN), many of whom were conscripted German prisoners of war. Frederick Hermann, the Duke of Schomberg, was killed at this battle, during which a canyon at Roughgrange prevented fighting between the bulk of both armies. Commemorated by a contemporary holiday called The Twelfth, this battle was followed a year later by the loser's successful defense of Limerick. The victor in this battle used it to gather support for the League of Augsburg, and it finalized his control of the British Isles in the wake of the Glorious Revolution. For 10 points, name this 1690 battle in Ireland at which William III's forces ended any chance of James II retaking the English throne. ANSWER: Battle of the **Boyne** <Droge>

12. Trojan equestrian exercises are compared to this place in a simile from the *Aeneid* that may have inspired British turf structures called Troy Towns. This place's name may derive from a ceremonial double-headed ax. People were first sent to this place after Androgeus was killed for winning at the Pan-athenaic games. The resident of this place was named Asterion and was born after his mother used a wooden disguise to mate with her love interest. Every nine years, seven boys and seven girls were killed in this place by Pasiphaë's son, a practice ended when Ariadne gave a ball of string to a hero to help him kill its resident and escape. For 10 points, Daedalus built what maze-like dungeon on Crete to house the Minotaur?

ANSWER: the Labyrinth [or labyrinthos; prompt on Crete] <Brownstein>

13. Arthur Jensen criticized the theory of this phenomenon by appealing to other explanations such as the Yerkes–Dodson law. Schmader, Johns, and Forbes created a model of this phenomenon including stages of stress arousal and negative thought suppression which impair executive function. Geoff Cohen's research on this phenomenon demonstrates that it can be reduced through self-affirmation exercises. It was discovered in a study conducted by Joshua Aronson and Claude Steele in which black students performed worse on a GRE when told it was an intelligence test. For 10 points, name this phenomenon partially responsible for the racial achievement gap in which people underperform on tasks due to fear of conforming to negative prejudices about their social group.

ANSWER: stereotype threat <Mehr>

14. Two characters in this novel write a story called "The Mountain Eyrie" about a man named Hugh who had died at Flanders Field. Characters in this novel see a group of unemployed men waiting for welfare checks during a walk on High Street, and those characters spill ink on themselves in the hope of interacting with Miss Lockhart. A character in this novel who reads *Kidnapped* and fantasizes about Alan Breck becomes a nun named Sister Helena who writes the treatise "The Transfiguration of the Commonplace". This novel's protagonist has a rivalry with Miss Mackay and calls a group the "crème de la crème". For 10 points, name this novel about a fascist-sympathizing instructor with a namesake "set" at the Marcia Blaine School for Girls, written by Muriel Spark.

ANSWER: *The Prime of Miss Jean Brodie* <Mehr>

15. The lunar studies of Tera and Wasserburg introduced a coupled evolution diagram for this system. An abundance constant of one over 137.88 allows one to separately compare two components of this system to a reference. This system can be used with samples that have undergone metamictization by chemically abrading them. A locus of concordant coordinates on a concordia diagram is an essential part of using this system. Zircon is particularly awesome when using this system because it concentrates the actinide component of this system while excluding the carbon group component of this system. For 10 points, radiometric dating spanning one million years to billions of years is possible using what system, named for the two elements it uses, with isotopes of 235 or 238 and 206 or 207.

ANSWER: uranium–thorium–lead dating [or U–Th–Pb dating; prompt on dating] <Voight>

16. During one of these conflicts, a ruler successfully besieged a castle by undermining a tower, placing slaughtered fat pigs near the mine props, and setting them on fire. In another of these conflicts, Richard de Southchurch proposed using a catapult to launch cocks whose feet were on fire into an enemy city. One of these wars began when the Provisions of Oxford were ignored. Robert Fitzwalter was captured in one of them, while another featured the Battle of Evesham, where Simon de Montfort was killed. The first of these conflicts was waged after the failure of a monarch to abide by the Magna Carta. One of them was waged against John, while the second was against Henry III. For 10 points, what two conflicts featured English landowners sparring with the king?

ANSWER: **Barons'** Wars <Cheyne>

17. Infinitesimals and their reciprocals are converted into numbers described by this adjective via the standard part function. Along with the word "projective", this adjective describes a plane made by identifying opposite sides of the Möbius strip. Students may be taught about Lebesgue (luh-BEG) integration or the Heine–Borel theorem in the branch of analysis described by this term, which is generally tougher to understand than complex analysis. This adjective is used to describe a system that is constructed via Dedekind cuts and was shown to be uncountable by Cantor's diagonalization argument. For 10 points, irrational and rational numbers comprise what other kind of numbers often abbreviated with a capital R.

ANSWER: **real** [or **real** projective plane; or **real** projective space early] <Hothem>

18. This composer wrote a piece whose fourth movement begins with four horns and two trumpets playing a cadenza-like fanfare over a snare drum roll. That piece by him comprises five linked movements, the first and third of which are marked "Vivo e strepitoso" and are identical except for their key and orchestration. The "Procession of the Nobles" is often excerpted from this composer's opera *Mlada*. A "Fandango asturiano" and two "Alborada" movements are part of his *Capriccio Espagnol*. In a fast-paced interlude from one of his operas, a rapidly descending chromatic scale played by flutes and first violins depicts the buzzing of the metamorphosed son of the title *Tsar Saltan*. For 10 points, name this composer of the "Flight of the Bumblebee".

ANSWER: Nikolai **Rimsky-Korsakov** [or Nikolai Andreyevich **Rimsky-Korsakov**] <Kim>

19. This book claims that being miserly breeds ignominy but not hate, while being liberal breeds both ignominy and hate. This book recalls how Achilles was raised by Chiron so that he understood the nature of both man and beasts. It distinguishes Moses, Cyrus, Theseus, and Romulus from Savonarola, whose institutions failed because he was unarmed. Ending by quoting Petrarch, this book applauds Severus for behaving as both a lion and a fox. It admonishes the use of auxiliaries and mercenaries, while repeatedly referencing the success of Cesare Borgia. For 10 points, name this book dedicated to Lorenzo de Medici that claims, "if we must choose between them, it is far safer to be feared than loved" as advice to the title ruler, by Niccolò Machiavelli.

ANSWER: *The* **Prince** [or *Il* **Principe**] <Collins>

20. The protagonist of this play would rather stand "three times in battle holding up my shield than give birth once". It ends with a summation stating "what we expected never came to pass, what we did not expect the gods brought to bear". In this play, a king is given magical fertility drugs and does not understand a riddle about "unstopping the wineskin's neck". This play ends with the title character predicting a man will suffer a "miserable death... fitting for a coward" aboard his ship and refusing his request that he may touch the "tender skin" of his sons. The title character flees after killing her own children and using a poisoned coronet and dress to murder her husband's would-be new bride, the Corinthian princess Glauce. For 10 points, name this Euripides tragedy about the vengeful wife of Jason.

ANSWER: Medea <Cheyne>

21. Near the end of a novel by this man, an elephant escapes from the zoo with "a large and fat old gentleman" riding on its back. This man ended that novel with the protagonist arguing he has suffered and then seeing a giant face ask "Can ye drink of the cup that I drink of?". This author wrote a story in which Aristide Valentin hunts a thief whose attack on reason reveals bad theology and exposes his disguise as a clergyman. A recurring character first appears in his story "The Blue Cross", where he captures his future partner, the jewel thief Flambeau. This man wrote a novel in which Gabriel Syme infiltrates an anarchist council whose heads have names of the days of the week. For 10 points, name this Catholic creator of amateur detective Father Brown who wrote *The Man Who Was Thursday*.

ANSWER: G. K. Chesterton [or Gilbert Keith Chesterton] <Cheyne>

1. For 10 points each, answer the following about linguistic expansions.

[10] The southeasterly growth of this subfamily of the Niger–Congo languages throughout the first millennium AD provides the most direct evidence of the political displacement of the Khoisan (COY-sahn) peoples.

ANSWER: Narrow **Bantu**

[10] A controversial theory of Indian history postulates that an "invasion" of these Indo-European speakers caused the Dravidians to concentrate in south India and lose social status around 2000 BC.

ANSWER: **Aryans**

[10] This German term refers to the "wandering of peoples" that dispersed Germanic and Slavic speakers into mainland Europe during the first millennium AD; a portion of it constituted the barbarian invasion of the Roman Empire.

ANSWER: **Völkerwanderung** <Weiner>

2. This singer collaborated with producer Norman Granz to create her "songbooks", albums that she dedicated to a different composer in the Great American Songbook. For 10 points each:

[10] Name this "First Lady of Jazz", a scat singer known for her recording of the nursery rhyme "A-Tisket, A-Tasket".

ANSWER: Ella **Fitzgerald**

[10] Ella Fitzgerald was discovered by this hunchbacked drummer and bandleader at the Savoy Ballroom. His band frequently "battled" other bands, including the Count Basie Orchestra and the Benny Goodman Orchestra.

ANSWER: "Chick" **Webb** [or William Henry **Webb**]

[10] The lyrics to a scat standard often performed by Webb and Fitzgerald beg this classical composer to either play, sing, or swing a rhapsody that Fitzgerald wrote.

ANSWER: Niccolò **Paganini** [or Mr. **Paganini**] <Kendrick>

3. This effect is highly dependent on air pressure and disappears completely in a vacuum. For 10 points each:

[10] Identify this phenomenon in granular media, in which shaking counter-intuitively results in larger particles rising to the surface. It often leads to disappointment when opening a can of mixed nuts.

ANSWER: **Brazil nut** effect [or **muesli** effect; or **BNE**; *do not read*, but prompt on granular **convection** or granular **percolation**]

[10] Brazil nuts contain high levels of this trace element. Like sulfur, cadmium bound to this chalcogen is a common material for quantum dots, but it is mostly used to add red color to glass—usually to cancel tints arising from iron impurities.

ANSWER: **selenium** [or **Se**]

[10] The Brazil nut effect is often explained as size segregation via a granular example of this process, which is also a mode of heat transfer via circulation of particles.

ANSWER: **convection** [do not accept wrong answers, such as "conduction"] <Voight>

4. For 10 points each, answer the following about Shakespeare's collaborations.

[10] This violent revenge play in which Tamora's sons are baked in a pie was likely a collaboration with George Peele.

ANSWER: Titus Andronicus

[10] This history play, possibly written in conjunction with Thomas Nashe, serves as a precursor to Shakespeare's plays about the Wars of the Roses. This play features the trial of the villainous Joan of Arc.

ANSWER: Henry VI, Part 1 [or 1 Henry VI; prompt on Henry VI]

[10] Shakespeare collaborated with this other playwright on several of his last plays, including *The Two Noble Kinsmen* and *Henry VIII*.

ANSWER: John Fletcher <Raje>

5. As Minister of the Interior, this man controversially suggested cleaning out a low-income suburb with a Karcher, referring to a cleaning system that uses high-pressure water. For 10 points each:

[10] Name this politician who was accused of sparking 2005 protests in his country by referring to youths from the projects as "rabble". Despite those remarks, he was elected to a higher office two years later.

ANSWER: Nicolas Sarkozy [or Nicolas Paul Stephane Sarkozy de Nagy-Bocsa]

[10] The 2005 riots in France began after an incident involving the police chasing various immigrant youths in the Parisian suburb of Clichy-sous-Bois (klee-SHEE soo BWAH). Two youths, while hiding from the police, died in this manner.

ANSWER: they were electrocuted

[10] Sarkozy left the presidency of France in 2012 after his defeat by this Socialist, the current French President.

ANSWER: Francois Hollande (oh-LOND) <Cheyne>

6. A manifestation of the war god Montu, Buchis, was one of these animals worshipped in Hermonthis, now the town of Armant. For 10 points each:

[10] Name these animals venerated by cults in Egypt. Mnevis, an aspect of Ra, was one of them worshipped in Heliopolis.

ANSWER: bulls

[10] This bull worshipped in Memphis was considered to be an incarnation of Ptah. Cambyses II allegedly murdered one of these bulls.

ANSWER: Apis bull

[10] Because of its close links with Ptah, the Apis bull became linked with this god who was murdered by his brother Set. Ptah became conflated with him, as well as the funerary god Sokar.

ANSWER: Osiris <Collins>

7. In this election year, television advertisements featuring the fictional couple "Harry and Louise" helped lead to the "Republican Revolution" in the House of Representatives. For 10 points each:

[10] Name this election year in which the GOP took the majority of House seats for the first time since 1952, bolstered by the party's release of the "Contract with America".

ANSWER: election of **1994**

[10] This Speaker of the House from Washington lost his re-election campaign in 1994, the first time a sitting Speaker had lost since 1862. He later served as ambassador to Japan during the Clinton presidency.

ANSWER: Thomas "Tom" **Foley**

[10] This Georgian became the new Speaker of the House and served from 1995 to 1999. The co-author of the "Contract with America", he resurfaced as a failed candidate for the Republican presidential nomination in 2012.

ANSWER: Newton "Newt" **Gingrich** [or Newton "Newt" **McPherson**] <Cheyne>

8. This saint was one of the first church fathers to argue that all four Gospels, rather than just one, were divinely inspired. For 10 points each:

[10] Name this author of the book *Against Heresies*, which energetically attacked Gnosticism and popularized the term "heresy".

ANSWER: **Irenaeus**

[10] Irenaeus argued that this man helped found Gnosticism. He appears in the book of Acts where after being baptized by Philip, he attempts to purchase from Peter the ability to distribute the Holy Spirit by laying his hands on others.

ANSWER: **Simon** the Sorcerer [or **Simon** Magus]

[10] Simon was one of these people, a religious group generally despised by Jews at the time. Jesus told a parable about a "good" one of these people who helps an injured traveler.

ANSWER: **Samaritan** <Cheyne>

9. A form of ecological naïveté in which species living in these places lose their wariness of predators is called its namesake "tameness". For 10 points each:

[10] Identify these places, whose "biogeography" was pioneered by Robert H. MacArthur and E. O. Wilson. Species that evolve in these places often undergo either dwarfism, as with *Magyarosaurus*, or gigantism, as with the moa.

ANSWER: **islands**

[10] This ecological relationship between the size of a habitat and the biodiversity therein, generally shows a higher log-generalized slope for islands than for mainlands.

ANSWER: **species-area** curve

[10] The diversification of beak shape in Galapagos finches provides a famous illustration of this rapid process in which particular traits among species with recent ancestry are selected for to exploit different niches.

ANSWER: **adaptive radiation** <Gupta>

10. This man wrote a poem that inspired the name of the NAACP's newsletter, *The Crisis*. For 10 points each:

[10] Name this author who wrote that Edgar Allan Poe was "three-fifths genius... and two-fifths sheer fudge" in a satirical poem, which also viciously attacks the writings of Margaret Fuller among other literary lights of the day.

ANSWER: James Russell **Lowell**

[10] Besides penning the aforementioned *A Fable for Critics*, Lowell served as the first editor of this literary and cultural magazine. Ta-Nehisi (TAH-neh-HAH-see) Coates is a national correspondent for the modern incarnation of this magazine and wrote "The Case for Reparations" for it.

ANSWER: *The **Atlantic*** [or *The **Atlantic Monthly***]

[10] *The Atlantic Monthly* was the first magazine to publish this song by Julia Ward Howe that uses the tune from "John Brown's Body". This song begins, "My eyes have seen the glory of the coming of the Lord".

ANSWER: "The **Battle Hymn of the Republic**" <Cheyne>

11. The Racah *B* parameter divides both of these quantities on the axes of a Tanabe–Sugano diagram. For 10 points each:

[10] Name either of the two parameters featured on the *x*-axis and *y*-axis of a Tanabe–Sugano diagram.

ANSWER: **energy** of electronic transition OR **crystal field splitting** parameter [or **ligand field splitting energy**]

[10] The Tanabe–Sugano diagrams for d4 through d7 systems are split into two halves based on whether a complex has a high or low value of this quantity. Hund's rule states that ground states tend to maximize this quantity's multiplicity.

ANSWER: **spin**

[10] Tanabe–Sugano diagrams are used to predict the absorptions of complexes with this geometry, which contains six equally spaced ligands.

ANSWER: **octahedral** <Nagari>

12. For 10 points each, answer the following about Edward Everett Hale's short story "The Man Without a Country".

[10] The title character, Philip Nolan, is completely cut off from the United States by being forced to reside on a warship. That punishment occurs after Nolan is tried as an accomplice of this historical scoundrel, who was himself put on trial in 1807.

ANSWER: Aaron **Burr**, Jr.

[10] The officer who visits the dying Nolan provides an overview of what has happened to the United States since Nolan's exile, but cannot bring himself to mention this ongoing conflict. This war is also the backdrop to Stephen Crane's *The Red Badge of Courage*.

ANSWER: the American **Civil War** [or the **War Between the States**]

[10] Despite Nolan's punishment, he actually maintains an explicit connection to the United States through this possession of his, which contains a reference to "The President of the United States, and all others in authority". He looks at it every day.

ANSWER: the Presbyterian **Book of Public Prayer** [or a **prayer book**; do not accept "the Bible"] <Cheyne>

13. After leading a coup at the age of 33, this man attempted to introduce anti-imperialist and socially progressive policies to his country. For 10 points each:

[10] Name this pan-Africanist revolutionary leader who was overthrown by Blaise Compaore after facing opposition to his socialist policies.

ANSWER: Thomas **Sankara**

[10] Sankara was the president of this country formerly known as Upper Volta.

ANSWER: **Burkina Faso**

[10] Sankara was called the African version of this man, who led a failed revolution in the Congo in the 1960s. This Argentine helped lead the Cuban Revolution and is the subject of the "Heroic Guerrilla Fighter" photograph.

ANSWER: Ernesto "Che" **Guevara** <Raje>

14. This composer wrote two clarinet concertos, the second of which ends with a cheerful "Alla Polacca" dance. For 10 points each:

[10] Name this composer of *Der Freischütz* (FRY-chutes).

ANSWER: Carl Maria von **Weber** [or Carl Maria Friedrich Ernst von **Weber**]

[10] This composer prominently featured the snare drum in his one-movement clarinet concerto and in his two-movement *Symphony No. 5*, where it plays a frantic improvised solo in an attempt to disrupt the orchestra.

ANSWER: Carl **Nielsen** [or Carl August **Nielsen**]

[10] This composer's friendship with clarinetist Richard Mühlfeld resulted in a quintet, a trio, and a pair of sonatas for the instrument. Joseph Joachim (YO-sef YO-ah-kim) inspired the gypsy-influenced finale of his D major violin concerto.

ANSWER: Johannes **Brahms** <Kim>

15. In the very ancient past, Judaism considered Yahweh to be the specifically Hebrew god in a pluralistic pantheon. For 10 points each:

[10] Give the term for the worship of one god despite the belief that there are or could be other gods.

ANSWER: **henotheism**

[10] Monotheism is arguably first visible in scripture in the second part of this largest prophetic book, whose author repeatedly insists "there are no other gods". Christians focus on how the namesake prophet anticipates Jesus with the "Suffering Servant" sections.

ANSWER: Book of **Isaiah**

[10] A prominent remnant of Jewish henotheism in scripture is the Song of the Sea, a psalm sung after the Israelites crossed the Red Sea. This woman also triumphantly sang about the crossing; she was temporarily hit with a skin disease after she and Aaron criticized Moses.

ANSWER: **Miriam** <Marvin>

16. A small island in this body of water was once home to a poison gas factory during World War II, but is now home to a massive population of rabbits. For 10 points each:

[10] Name this body of water that surrounds the torii gate of Itsukushima Shrine during high tide.

ANSWER: Seto Inland Sea [or Seto Naikai]

[10] This largest island of Japan lies to the north of the Inland Sea.

ANSWER: Honshū

[10] This city on the Inland Sea is linked to Awaji Island by the Akashi Kaikyō Bridge, the world's longest suspension bridge. The Great Hanshin earthquake of 1995 devastated this city, which is known for a prized variety of beef.

ANSWER: Kobe <Golimlim>

17. For 10 points each, answer the following about reclusive mathematicians:

[10] After Grigori Perelman solved this Millennium Prize problem, he withdrew from mathematics and is possibly living with his mother. This conjecture states that all simply connected closed 3-manifolds are homeomorphic to the 3-sphere.

ANSWER: Poincaré conjecture

[10] For around 15 years, Alexander Grothendieck (GRAH-tin-deek) lived in isolation in the Pyrenees.

Before isolating himself, he made contributions to this branch of study that uses arrows to represent morphisms, which was pioneered by Saunders Mac Lane.

ANSWER: category theory

[10] Simon Norton, another reclusive mathematician, worked extensively on this other mathematician's cellular automaton, the Game of Life.

ANSWER: John Conway <Jose>

18. Modern scholars believe these poems were written around the same time its author was bashing Catholics in a tract titled *Pseudo-Martyr*. For 10 points each:

[10] Name this 19-poem series includes a poem beginning, "Batter my heart, three-personed God", and another that tells its addressee, "though some have called thee mighty and dreadful, thou art not so".

ANSWER: Holy Sonnets [or Divine Meditations; or Divine Sonnets]

[10] This metaphysical poet wrote the *Holy Sonnets* including "Death be not proud", as well as lyrics like "The Flea" and "A Valediction: Forbidding Mourning".

ANSWER: John Donne

[10] In Donne's "Elegy XIX", the speaker tries to get the addressee to do this specific action, revealing at the end that he has already done it "to teach thee". The speaker claims that "all joys are due" to performing this action.

ANSWER: becoming naked [or disrobing; or obvious equivalents; prompt on going to bed or having sex] <Cheyne>

19. People living under this system would only receive one item of clothing a year after age five, a red cloak known as a *phoinikis*. For 10 points each:

[10] Name this education system under which youth received 22 years of training. The Gerousia would determine if infants could be brought up in this system or if they should be exposed to die.

ANSWER: **agoge**

[10] According to legend, agoge was invented as a way to train the youth by this possibly legendary lawgiver, who emphasized his society's focus on the military.

ANSWER: **Lycurgus**

[10] Lycurgus was the lawgiver of this Greek city-state that won the Peloponnesian War.

ANSWER: **Sparta** <Cheyne>

20. El Greco extended an offer to Pope Pius V to paint over this artwork with something more strictly Catholic. For 10 points each:

[10] Name this painting which contains a female figure long assumed to be male, because of a fig-leaf painted by Daniele da Volterra, adjacent to a depiction of St. Bartholomew holding his flayed skin.

ANSWER: *The **Last Judgment*** [or *The **Final Judgment***; or *Il **Giudizio Universale***]

[10] This artist painted *The Last Judgment* on the altar wall of the Sistine Chapel, whose ceiling contains his *The Creation of Adam*.

ANSWER: **Michelangelo** [or Michelangelo di Lodovico **Buonarroti** Simoni]

[10] The top part of *The Last Judgment* contains two groups of foreshortened angels. One group carries the cross, and the other carries this item often seen in depictions of the flagellation of Christ.

ANSWER: the **column** Jesus was tied to [or obvious equivalents, such as **post** or **pillar**] <Gupta>

21. Some sagas claim this man blinded Byzantine ruler Michael V. For 10 points each:

[10] Name this Norse king who invaded England and won the Battle of Fulford, but was slain in another battle the same year while fighting alongside Tostig, the rogue former Earl of Northumbria.

ANSWER: **Harald Hardrada** [or **Harald Sigurdsson**; or **Harald III**; prompt on **Harald**]

[10] Harald Hardrada was defeated at the Battle of Stamford Bridge by this ruler, who would himself die less than three weeks later in combat.

ANSWER: **Harold II** [or **Harold Godwinson**]

[10] Harold II would die, possibly from an arrow to the eye, at this 1066 battle won by William the Conqueror's Normans.

ANSWER: Battle of **Hastings** <Cheyne>