Toss-ups

1.This thinker wrote a philosophical novel whose protagonist encounters Mario, his cousin from Europe. This author of that work about Oliver Alden described matter as “often untoward, and an occasion of imperfection or conflict in things” in a work that contrasts matter, essence, truth, and spirit. He opens an earlier work by declaring that philosophers are compelled to “plunge *in medias res*” and famously claimed that “those who cannot remember the past are condemned to repeat it.” For 10 points, name this author of *The Last Puritan*, *The Realms of Being*, *The Life of Reason*, and *Skepticism and Animal Faith*.

ANSWER: George **Santayana** [or Jorge Agustín Nicolás Ruiz de **Santayana** y Borrás]

2. Tangier disease is caused by defective ABCA1 transporters that are responsible for transporting this molecule out of cells, and the Liebermann-Burchard test is used to measure its presence in plasma. The rate-limiting enzyme in the synthesis of this molecule is HMG-CoA, and its presence in blood is lowered with statins. This molecule maintains the fluidity of the cell membrane at low temperatures, and it is the precursor to aldosterone. For 10 points, name this molecule found in HDL and LDL varieties, respectively “good” and “bad”.

ANSWER: **cholesterol**

3. This man employed Dar Wac as his secretary and murdered his father Cosinga, who had claimed that their family was one of the “six gates.” This appointer of Kadann as Supreme Prophet informed on Bon Tapalo after meeting Hego Damask, and was succeeded unstably by his Grand Vizier Sate Pestage. This politician suggested a vote of no confidence against Finis Valorum while still a Senator from Naboo, then became Chancellor of the Republic and began to corrupt Anakin Skywalker. For 10 points, name this galactic emperor who perished on the second Death Star, the master of Darth Vader.

ANSWER: Emperor **Palpatine** [accept “Darth **Sidious**,” “Chancellor **Palpatine**,” or “Senator **Palpatine**”]

4. The oldest known text in the language of this people is a curse composed by Anitta, king of Kussara. The Telepinu proclamation contains a succession list for the kings of this people, whose territory was also inhabited by the unrelated Hattians. Mursili I, who ruled this people, sacked Babylon and stole the great statue of Marduk, and Hattusili I moved their capital from Neša to Hattusa. Muwatalli II, another of their kings, fought Ramses the Great at Kadesh, and his successor signed the earliest surviving peace treaty. For 10 points, name these early users of chariots, a Bronze Age people who ruled central Anatolia.

ANSWER: **Hittite**s [accept “**Hittite** Empire”]

5. This author wrote of an investigation into the assault of a Chinese prostitute at a love hotel in a work that begins at a Denny’s. In another novel, a truck driver aids an old man in opposing Johnnie Walker, who makes flutes from cats’ souls. In that novel, a boy meets the transsexual Oshima at Miss Saeki’s library and has the alternate ego, “the boy named Crow”. Toru’s affairs with Midori and Naoko appear in another novel by this author, who wrote of Okada’s search for his lost cat, Noboru Wataya, in another work. For 10 points, name this Japanese author of *After Dark*, *Kafka on the Shore*, *Norwegian Wood*, and *The Wind-Up Bird Chronicle*.

ANSWER: Haruki **Murakami**

6. This region’s Bluefish Caves may be a site of early human settlement in North America; they are located southwest of this region’s settlement of Old Crow, built on the Porcupine River. The Saint Elias Mountains are located in this territory’s Kluane National Park, home to the second tallest mountain in North America, Mount Logan. Dawson City was founded after a discovery on the banks of this territory’s namesake river led to the Klondike Gold Rush. For 10 points, name this smallest Canadian territory, whose capital is Whitehorse.

ANSWER: **Yukon**

7. It’s not the Fire Nation, but this empire was founded by a man who ascended the Phoenix Throne shortly before a French invasion that resulted in the Treaty of Ganghwa. This empire’s foundation occurred after Emperor Gojong fled to the Russian legation in the aftermath of Queen Min’s assassination by agents from the country that would force the Eulsa Treaty on this empire in 1905. Resident-General Itō Hirobumi’s assassination by an activist from this empire sped its annexation by Japan. For 10 points, name this empire ruled by the Joseon Dynasty from Seoul.

ANSWER: **Korea**n Empire [accept “Dae**han** Je**guk**”]

8. Vierbeins allow transformation between tetrads and coordinates in this theory. One prediction of this theory was tested at Harvard using Fe-57; that test was the Pound-Rebka experiment. Energy and momentum conservation can be derived in this theory with the Bianchi identities, and one side of an equation fundamental to it is 8 pi times the stress-energy tensor. Karl Schwarzschild provided the first solution to  this theory’s field equations, and the equivalence principle is a fundamental axiom of it. For 10 points, name this theory, which states that the distortion of spacetime by massive objects causes gravity, proposed by Albert Einstein.

ANSWER: **general relativity** [accept “**GR**”; prompt on “**relativity**”]

9. One character by this playwright regrets modeling for the sculpture “Resurrection Day” and is killed by an avalanche along with the sculptor Arnold. Calls to smash a character’s windows end one act of a play by this author that sees Petra’s father ostracized for reporting the tannery’s contamination of the public baths. A character by this author commits suicide at Madame Diana’s brothel after the wife of George Tesman burns his manuscript. That title character later shoots herself with Judge Brack’s pistols. For 10 points, name this Norwegian playwright of *When We Dead Awaken*, *A Public Enemy*, and *Hedda Gabler*.

ANSWER: Henrik Johan **Ibsen**

10. A version of this composer’s *Petite Suites* orchestrated by Alexander Glazunov adds a *Scherzo in A-flat major*. The third movement of this man’s second String Quartet, *Nocturne*, was adapted into *And This is My Beloved*, from the musical *Kismet*. An opera by this man begins with a solar eclipse as the title figure prepares for his upcoming campaign. A pizzicato “Traveling Theme” appears in this composer’s symphonic poem that depicts a caravan crossing the title location. For 10 points, name this composer of *In the Steppes of Central Asia* and an opera that includes the *Polovtsian Dances*, *Prince Igor*.

ANSWER: Alexander Porfiryevich **Borodin**

11. A crater chain on this body is the Kraken Cathena, and the largest impact crater on this body is Mazomba. This body is believed to have spent a billion years in a liquid state, and it exhibits cantaloupe terrain. This moon’s gravity is thought to affect the orbit of its neighbor, Nereid, and Hili and Mahilani are volcanoes on it that release liquid nitrogen. This moon is believed to have been captured from the Kuiper belt because of its retrograde orbit. For 10 points, name this moon that exhibits cryovolcanism, the largest moon of Neptune.

ANSWER: **Triton**

12. The speaker of this poem claims that “the error bred in the bone” is craving “to be loved alone”, and has “a voice to undo the folded lie”. “The unmentionable odour of death offends” this poem’s setting, “where blind skyscrapers” “proclaim the strength of Collective Man”. “Exiled Thucydides knew all that a speech can say about Democracy” in this poem, whose speaker claims “the lights must never go out, the music must always play” as he sits “in one of the dives on Fifty-second Street”. For 10 points, name this poem by W.H. Auden titled for the date of the German invasion of Poland.

ANSWER: “**September 1, 1939**”

13. This deity granted Cydippe’s prayer for the best gift a mortal can have by causing her sons, Cleobis and Biton, who had pulled their mother’s cart, to die in their sleep. This deity transformed Lamia into a child-devouring serpent, and was seduced on Mt. Thornax by a cuckoo. Ixion copulated with a cloud shaped like this deity, who mothered Hebe. Tiresias was struck blind by this goddess for claiming that men take less pleasure in sex, and Hephaestus was thrown from Olympus for supporting this goddess, his mother. She offered rule over men to Paris during his Judgment. For 10 points, name this queen of the gods, the wife of Zeus.

ANSWER: **Hera** [accept “**Juno**” until “Zeus”]

14. In this work, bassoons quote the Great Fugue in G minor during a threat of “Bach interwoven with Spohr and Beethoven”.  One character in this work notes “the beauty in the bellow of the blast” to a man who said he’d “not exclaim ‘willow, tit-willow’” if she rejects him. “Lord High Everything Else” Pooh-Bah chides this work’s protagonist, a wandering minstrel and second trombone who is secretly the son of the title figure. In this work, Ko-Ko, who has “a little list”, abandons his betrothal to Yum-Yum, one of the “three little maids from school”, to help Nanki-Poo. For 10 points, name this Gilbert and Sullivan operetta titled for the ruler of Japan.

ANSWER: *The* ***Mikado****; or, the Town of Titipu*

15. This war began when one side shelled its own village of Mainila and blamed the other side. Using the *motti* tactic, one side was able to ambush and defeat an enemy force that outnumbered them during the Battle of Raate Road. One sniper in this war had 505 confirmed kills, earning him the nickname “White Death”.  One side perfected the use of Molotov cocktails and set up a defensive fortification along the Karelian Isthmus known as the Mannerheim Line. For 10 points, name this war, followed by the Continuation War, between the Soviet Union and Finland.  
ANSWER: **Winter** War

16. One of these people, Anne Louise Sherman, spent a whole night “necking” with the main character of the book in which they appear. Another one of them, Lillian Simmons, runs into the main character at Ernie’s, and asks about his brother D.B. While purchasing tickets for a play, the main character refers to Sally Hayes as the queen of them. That same character says that both Elkton Hills and Pencey Prep are full of these people. For 10 points, name this type of person despised by Holden Caulfield in *The Catcher in the Rye*.

ANSWER: **phonies** [accept answers that contain “**phony**”; prompt on answers like “**characters in *The Catcher in the Rye***”]

17. The Mitsunobu reaction makes use of the DEAD reagent to convert these compounds into a variety of different functional groups. These compounds are the product of the Barbier reaction, and they can be oxidized to form an aldehyde or a ketone in the Swern oxidation. These compounds are the final product of the Wittig rearrangement, and they are dehydrogenated to form alkenes.  These compounds are reacted with carboxylic acids in Fischer esterification, and they are characterized by a terminal -OH group. For 10 points, name these compounds exemplified by methanol and ethanol.

ANSWER: **alcohols**

18. This artist’s depictions of witchcraft include three floating women in *The Witches’ Flight* and his painting of women huddled before a human-like goat.  Etchings of a priest tied to a stake and a man swinging an axe comprise this artist’s *The Disasters of War*. An earlier series of etchings, his *Los Caprichos*, includes a work in which bats and owls appear behind a resting man. This artist of the *Sleep of Reason Produces Monsters* created a clothed version of his *La Maja Desnuda*. For 10 points, identify this artist who depicted a wild-haired cannibal in *Saturn Devouring His Son*, part of his *Black Paintings*.

ANSWER: Francisco José de **Goya** y Lucentes

19. One holder of this position was executed with hot sand by the grandfather of the man who would imprison the eighth holder of this title, who died at the age of seven. Amar Das, the third leader with this position, established the custom of men and women teaching from wooden cots called *manji* and *piri*, and expanded the *langar* community kitchen system. Har Rai, the seventh of these leaders, helped Dara Shikoh escape, causing Aurangzeb to persecute his successors. Gobind Singh, the last human one of these, transferred this title to a text. Nanak was the first, and the Granth Sahib is the eleventh, eternal one. For 10 points, name these leaders of Sikhism.

ANSWER: Sikh **Guru**

20. One holder of this office gave the “Speech of Hope” in Stuttgart, and another resolved the *Caroline* Affair.  When Reagan was shot by John Hinckley, one man in this office, Alexander Haig, claimed “I am in control here.” While serving in this position, Lincoln’s former secretary, John Hay, negotiated the Open Door policy, and another man in this post, Cordell Hull, proposed the Good Neighbor policy. Henry Clay was promoted to this job from being Speaker of the House in the Corrupt Bargain. Madeleine Albright was the first woman to hold this post. For 10 points, name this Cabinet position that manages foreign affairs.

ANSWER: United States **Secretary of State**

TB. This play opens by describing the “dotage” of one man whose eyes “have glowed like plated Mars.” That character in this play had a bounty like “an autumn…that grew the more by reaping,” and sat alone, “whistling to th’air,” while he awaited someone who hopped “forty paces through the public street” and came on a barge “like a burnished throne.” In this play, a clown brings a “pretty worm” to one of the title characters, who kisses Iras and Charmian before they drop dead. Enobarbus describes the arrival of that character, whom “age cannot wither.” For 10 points, name this play about a queen who commits suicide by asp, a tragedy by Shakespeare.

ANSWER: *The Tragedy of* ***Antony and Cleopatra***

Bonuses

1. For 10 points each, answer some questions about deposed island monarchies.

[10] The last sultan of this African island was deposed in 1964, and his country unified with Tanganyika. This island fought a thirty-eight minute war with Britain in 1896.

ANSWER: **Zanzibar**

[10] The numerous sultanates of this archipelago in the Mozambique Channel were abolished by the French Empire. This archipelago includes Anjouan and disputes Mayotte with France.

ANSWER: **Comoros**

[10] A republic was installed in this predominantly Muslim Indian Ocean archipelago following a coup in 1968. Its Huraa Dynasty ruled as Lords of Twelve Thousand Isles.

ANSWER: **Maldives**

2. In this painting, a woman on the left recoils from the central event while its title figure holds a scalpel with his bloody fingers. For 10 points each:

[10] Identify this painting that depicts Jefferson College Medical students seated in a dark auditorium lectured by the title figure while four men operate on a patient’s leg.

ANSWER: *The* ***Gross Clinic***

[10] This artist of *The Gross Clinic* also depicted nude boys playing around in *The Swimming Hole* and painted his friend, Max Schmitt, on a yellow boat.

ANSWER: Thomas **Eakins**

[10] Eakins set that painting of Max Schmitt on this river that runs through Philadelphia. Eakins also painted William Rush carving a chained allegorical figure of this river.

ANSWER: **Schuylkill** River

3. This example of a Kolmogorov model is a pair of nonlinear first-order differential equations. For 10 points each:

[10] Name this ecological equation that models the relationship of predators and prey in terms of population size.   
ANSWER: **Lotka-Volterra** equation

[10] Predators and prey often experience this type of evolution since they need to respond to each other’s adaptations. This type of evolution also occurs between hosts and parasites.

ANSWER: **coevolution**

[10] This theory, formulated by Leigh van Valen, claims that species evolve in an evolutionary “arms race” for superiority. It also claims that sexual reproduction is better than asexual.

ANSWER: **Red Queen** hypothesis

4. In the beginning of this novel, a group of friends surmises whether one can be friends with an Englishman. For 10 points each:

[10] Name this novel in which Adela Quested accuses Dr. Aziz of raping her in the Malabar caves.

ANSWER: *A* ***Passage to India***

[10] This author wrote *A Passage to India* as well as *A Room with a View*.

ANSWER: Edward Morgan **Forster**

[10] This novel by Forster follows the story of the titular character reconciling his homosexuality in early 20th-century England.

ANSWER: ***Maurice***

5. This work examines the public torture used by Robert-François Damiens. For 10 points each:

[10] Name this work written in 1975, which examines the shift between traditional penal systems and the modern prison system.

ANSWER: ***Discipline and Punish****: The Birth of the Prison*

[10] *Discipline and Punish* was written by this French philosopher who addressed the relationship between knowledge and power.

ANSWER: Michel **Foucault**

[10] In this work, Foucault explores the development of the medical profession. He coined the term “medical gaze” to describe the medical separation of the patient’s body and identity.

ANSWER: *The* ***Birth of the Clinic****: An Archaeology of Medical Perception*

6. Two hands shaking a cocktail shaker represents a doorbell in this film that begins with a man in a maid outfit and a box tied around his neck crashing his bike. For 10 points each:

[10] Name this film that used a cow’s eye during a scene that depicts a woman’s eye being cut by a razor, a work of Luis Bunuel.

ANSWER: *Un* ***Chien Andalou*** [accept “*An* ***Andalusian Dog***”]

[10] *Un Chien Andalou* was a collaboration with this surrealist artist that appeared in the film as a priest. He also painted yellow cliffs in the background of a painting featuring melting clocks.

ANSWER: Salvador **Dalí**

[10] Dali also collaborated with this man on the short film *Destino*. This man worked with Ub Iwerks on an early cartoon about a ship going down the Mississippi, *Steamboat Willie*.

ANSWER: Walter Elias “Walt” **Disney**

7. These materials have a large band gap and extremely high resistance. For 10 points each:

[10] Name these materials, which unlike conductors, do not allow electrons to flow.

ANSWER: **insulator**s

[10] This quantity is the voltage required for electrons to flow in an insulator. Diodes possess a value for this quantity, which when achieved allows current to flow in the reverse direction.

ANSWER: **breakdown** voltage

[10] These types of insulators allow current to flow along their exterior. They are named for a branch of mathematics that deals with continuous deformations.

ANSWER: **topological** insulators

8. For 10 points each, name some things about the Fraternal War, or the Seven Weeks’ War.

[10] That war was fought between Austria and this kingdom, whose King Wilhelm I ruled from Berlin and later became the first German Emperor.

ANSWER: Kingdom of **Prussia**

[10] At its end, Prussia annexed this doubly-named Danish province. Palmerston said that only three men – himself, a dead man, and a madman – understood its namesake “Question”.

ANSWER: **Schleswig-Holstein**

[10] The war also ended with the Prussian annexation of this kingdom, whose blind King George V was forced into exile. It had previously been in personal union with the United Kingdom.

ANSWER: Kingdom of **Hanover**

9. In November 2014, this politician paraphrased Cicero to accuse Barack Obama of being “openly desirous to destroy the constitution and this republic.” For 10 points each:

[10] Name this Tea Party figure who, on another occasion, began reading “Green Eggs and Ham” during a speech in opposition to Obamacare.

ANSWER: Rafael Edward “Ted” **Cruz**

[10] Ted Cruz was the longest-serving Solicitor General from this state, which he currently represents in the U.S. Senate.

ANSWER: State of **Texas**

[10] After the rollout of HealthCare.gov, Ted Cruz and other Senate Republicans called for the dismissal of this former Secretary of Health and Human Services.

ANSWER: Kathleen **Sebelius**

10. This son of Grandgousier accidentally ingests six pilgrims in his salad. For 10 points each:

[10] Name this character who battles Picrochole in Seville with Friar John.

ANSWER: **Gargantua**

[10] Gargantua and his son Pantagruel appear in works by this 16th-century French author and satirist.

ANSWER: François **Rabelais**

[10] At Friar John’s request, Gargantua builds this institution, where there are no walls or clocks and the only rule, “Do as thou wilt”, is inscribed over the door.

ANSWER: **Abbey of Thélème** [accept “**Abbey of Thelema**” or “**Abbaye de Thélème**”]

11. The sacred text of this mystical system is the Zohar. For 10 points each:

[10] Name this esoteric school whose ten emanations are the Sephiroth.

ANSWER: **Kabbalah**

[10] The Zohar claims that the Shekinah presence of God manifests at this Jerusalem landmark, where many Jews gather to bow repeatedly and perform its namesake mourning.

ANSWER: **Wailing Wall** [accept “**Western Wall**” or “Ha**Kotel** HaMa’aravi”]

[10] Jewish mystics consider this father of Methuselah to have ascended to become God’s scribe as the angel Metatron. This man, who “walked with God”, names three esoteric books.

ANSWER: **Enoch**

12. A fugato combines five themes in this work’s fourth movement. For 10 points each:

[10] Name this symphony, its composer’s longest, which follows the “Great G minor”.

ANSWER: **“Jupiter” Symphony** [accept “***Symphony no. 41*** *in C Major*]

[10] This choral work by the composer of the “Jupiter”Symphony includes a bass solo on “Tuba mirum” and a famous “Lacrimosa”, in addition to the “Dies irae”.

ANSWER: ***Requiem*** *Mass in D minor* [accept “Mozart’s **Requiem**”]

[10] This much smaller work by Mozart is a duet for two violins that can be played right-side-up or upside-down, whence its name.

ANSWER: **Table Music** [accept “Der **Spiegel**: Duett für zwei violinen” or “The **Mirror**: Duet for two violins”]

13. The title man of this work is “clean-favored, and imperially slim.” For 10 points each:

[10] Name this poem whose “admirably-schooled” title figure “one calm night went home and put a bullet through his head.”

ANSWER: “**Richard Cory**”

[10] This other poem by the same author describes a “child of scorn” who “cursed the commonplace.” Its title man mourns Romance and Art, “called it fate, and kept on drinking.”

ANSWER: “**Miniver Cheevy**”

[10] “Richard Cory” and “Miniver Cheevy” are works by this American poet, who collected them in *The Children of the Night* and *The Town Down the River*.

ANSWER: Edward Arlington **Robinson**

14. Name some things about Indian border disputes, for 10 points each:

[10] This man was the chief architect of the Kargil plan, which was continually rejected by his superiors. After a military coup, he became the tenth president of Pakistan from 2001 to 2008.

ANSWER: Pervez **Musharraf**

[10] Musharraf’s last active combat operation was in the Mangla region of this province of India, famous along with Jammu as the site of many Indo-Pakistani conflicts.

ANSWER: **Kashmir**

[10] The Kargil plan was finally executed in 1999 after a conflict over this glacier in the Karakoram Range. The fighting over this glacier began with India’s Operation *Meghdoot*.

ANSWER: **Siachen** Glacier

15. This type of intermolecular force acts between all molecules and atoms. For 10 points each:

[10] Name this type of force caused by instantaneous dipoles inducing other dipoles, the weakest of the main intermolecular forces.

ANSWER: **London dispersion** forces [accept “**LDF**s”]

[10] The London Dispersion Force is a specific type of this category of intermolecular forces named for a Dutch scientist. These forces also include the Keesom and Debye forces.

ANSWER: **van der Waals** forces

[10] This effect may be a relativistic form of van der Waals forces acting between two metal plates. This effect is the generation of an electric field between two uncharged metallic plates.

ANSWER: **Casimir** effect

16. People from this island have written a lot of music about being stepped on by the brutal English. For 10 points each:

[10] Name this island whose oppression and division have inspired songs like “Go on Home British Soldiers,” “Come Out, Ye Black And Tans,” and “Belfast Brigade.”

ANSWER: **Ireland**

[10] In the song “Go on Home British Soldiers”, the Brits are told that the 14 men they killed during this event are the last that they will bury. U2 also made a song about this 1972 massacre.

ANSWER: **Bloody Sunday** [accept “**Bogside Massacre**”]

[10] “Go on Home British Soldiers” is a song by this Irish rebel band. They are named for the father of Irish Republicanism who led the Irish Rebellion of 1798.

ANSWER: The **Wolfe Tone**s

17. During this conflict, Eurytus was killed by the thyrsus. For 10 points each:

[10] Name this war fought against figures that sprang from Uranus’s blood after his castration.

ANSWER: **Gigantomachy** [accept “**Gigantomachia**”; accept equivalents like “**war with the Giants**”]

[10] The Giants were the offspring of this primordial deity who gave Cronus the sickle that castrated Uranus.

ANSWER: **Gaia** [accept “**Gē**”]

[10] This Giant fought Athena until, according to Apollodorus, she threw Sicily at him. Vergil claims that Mt. Etna’s eruptions are his breath, though they are usually attributed to Typhon.

ANSWER: **Enceladus**

18. This President granted citizenship to all American Indians. For 10 points each:

[10] Name this Republican, an Amherst graduate who “did not choose to run”, having finished his own term after his predecessor’s death in office.

ANSWER: John Calvin **Coolidge**, Jr.

[10] Coolidge rose to prominence when he quashed a police strike supported by Samuel Gompers in this city. That occurred during Coolidge’s term as Governor of Massachusetts.

ANSWER: **Boston**

[10] Coolidge’s vice president names this 1924 attempt to help Germany pay its war reparations. It withdrew Allied troops from the Ruhr and loaned 800 million marks, but ultimately failed.

ANSWER: **Dawes Plan**

19. An author from this country wrote of Sybylla Melvyn’s dream to be a writer in *My Brilliant Career*, while another wrote of a man who saved Jews with a namesake list. For 10 points each:

[10] Name this home country of Miles Franklin and the author of *Schindler’s Ark*, Thomas Keneally, whose novel *The Chant of Jimmie Blacksmith* features one of this country’s natives.

ANSWER: Commonwealth of **Australia**

[10] This other Australian author wrote of a bet between the two title characters on transporting a church up the coast from Sidney in *Oscar and Lucinda*.

ANSWER: Peter **Carey**

[10] This other Australian author wrote of Hurtle Duttefield’s creation of the title painting in *The Vivisector*, and of Laura Trevelyan’s relationship with the title German explorer in *Voss*.

ANSWER: Patrick **White**

20. Cyclic varieties of these mathematical structures are generated by a single element. For 10 points each:

[10] Name these mathematical structures that consist of a set and an operation, which has an operation and identity, on that set.

ANSWER: **group**s

[10] If groups are commutative they are named for this Norwegian mathematician. He showed that no polynomials of degree 5 or greater have general solutions.

ANSWER: Niels Henrik **Abel**

[10] This French mathematician connected group and field theory in his own namesake theory, which shows that it is impossible to trisect an angle.

ANSWER: Évariste **Galois**

TB. One character in this play investigates the grouse population in Sidley Park by scouring its game books and finds interest in the algebraic computations of a schoolgirl. For 10 points each:

[10] Name this play in which the lives of Thomasina Coverly and her tutor Septimus Hodge in the early 19th century are explored by Hannah, Valentine, and Bernard in the present.

ANSWER: ***Arcadia***

[10] This British playwright of *Arcadia* also wrote of a coin falling heads 92 straight times in a play about two of Hamlet’s friends, *Rosencrantz and Guildenstern are Dead*.

ANSWER: Tom **Stoppard**

[10] In *Arcadia*, Bernard visits Sidley Park to prove his theory that Ezra Chater died in a duel called by this Romantic poet of *Childe Harold’s Pilgrimage*, causing him to flee the country.

ANSWER: Lord **Byron** [accept “George Gordon **Byron**”]