

# PARFAIT II Round 1

Princeton  
Princeton University

October 14, 2006

# 1 Princeton Tossups, Round 1

1. It is the cause of Warkany syndrome 2 and produces a namesake mosaicism in infants. It can be caused in rare cases by pericentric inversion or by a balanced translocation in one of the parents. If it occurs for the X chromosome, it can result in epicanthal folds, but is usually benign because two of the sex chromosomes are converted into Barr bodies. For ten points, name this genetic abnormality where an individual has an extra copy of a chromosome, which for chromosome 21 causes Down Syndrome.

**Answer:** trisomy (prompt on “Aneuploidy”)

2. His mother initially named him Demna, but one of the nurses with her gave him the name he used, which meant “The Fair.” His two hunting hounds, Bran and Sceolang, were allegedly also his cousins, twin sons of Tuirn, the sister of Muirenn. He was initially married to Grainne, but she ran away with Diarmuid. His father died at the hands of Goll Mac Morna when Goll challenged his father’s leadership of the Fianna. For ten points, identify this hero of the Fenian Cycle, the greatest leader of the Fianna, and taster of the Salmon of Knowledge.

**Answer:** Finn Mac Cool or Finn Mac Cumhail

3. It is not *Romeo and Juliet*, but Tchaikovsky wrote a symphonic fantasy based on this play, and both Jean Sibelius and Arthur Sullivan wrote incidental music for it. W.H. Auden’s long poem *The Sea and the Mirror* was an interpretation of it, and Beethoven biographer Anton Schindler claimed that *Piano Sonata No. 17* was inspired by it, thus giving the sonata its famous nickname. More famously, a Robert Browning poem described one of the characters from this play reflecting upon the cruelty of the god Setebos, and it was also the source for the title of Aldous Huxley’s most famous novel. FTP, Stephano, Trinculo and a son of Sycorax named Caliban are all characters in what 1611 play, Shakespeare’s last.

**Answer:** The Tempest

4. Notable biographies of them include ones by Gordon McLean and Joseph James, and the museum dedicated to preserving their culture is located in Britt, Iowa. Tim Conway plays a “Billion Dollar” one in a 1979 movie, and their 1932 rebellion that replaced the Secretary of the Treasury with Joe Junkpan is recounted in John Hodgman’s book *Areas of my Expertise* and lists 700 names of them. Country singer Lecil Martin took on the persona of one, recounting his life story in *Daddy Was a Railroad Man* and *The Lord Made a BLANK Out of Me* as the unshaven singer “Boxcar Willie.” For ten points, name these trundle carrying, no pants changing alcoholics that ride the rails.

**Answer:** Hobos

5. A drinking horn in the hand, a locket around the neck, and – on a belt – a purse, a bag, and a dead chicken are all carried by a figure in yellow. That figure might be modeled after the artist’s daughter. Van Ruytenburch, one of the title characters, is being spoken to by the other; in the background an ensign carries the a flag colored blue and gold, and a drummer stands right of the central figures. For ten points, identify either the captain of the military group that gives this Rembrandt painting its official name or the common

name given to its assumed depiction of a nocturnal activity.

**Answer: Nightwatch or De Nachtwacht**

**The Company of Frans Banning Cocq and Willem van Ruytenburch or De compagnie van kapitein Frans Banning Cocq en luitenant Willem van Ruytenburgh maakt zich gereed om uit te marcheren**

6. The Treaty of Naples in 1759 by Charles III was one and allowed Spanish interests in the Americas not to interfere with Sicilian interests in the Mediterranean by forcing all Spanish heirs to the Sicilian throne to abdicate to the next heir in line not also the Prince of the Asturias. A 1549 one issued by Charles V established the Seventeen Provinces as an indivisible political unit, forcing succession of the Burgundian Netherlands to rest on a single prince, in this case Philip II. A more famous one, issued by Charles VII in 1438 from Bourges required a General Church Council to meet every 10 years and securing that ecclesiastical offices be elected. For ten points, identify the name given to these practical decrees with the force of law, the most famous of which was issued by Charles VI in 1713 to ensure that Maria Theresa would inherit the Austrian throne and the lands under Habsburg control.

**Answer: Pragmatic Sanction or Pragmática Sanción or pragmatische Sanktion**

7. The third act begins with Mr. Fitzpatrick explaining that seven of the actors have come down with something, while Sabina, who announced the end of the war, claims it was ptomaine poisoning. The previous two acts had begun with news reports extolling the virtues of Antrobus, the inventor of the wheel and the lever, whose New Jersey family managed to survive the ice age and the great flood. Inspired by *Finnegan's Wake*, Sabina claims that the family only made it through the depression by the titular phrase. For ten points, name this Pulitzer-winning play by Thornton Wilder.

**Answer: The Skin of Our Teeth**

8. One is the subject of a poem at the The End and the Beginning who “wonders / what remains to be done. / Just sleep and wait,” while exploring its surroundings looking for signs of its companion in an empty apartment in a poem by Wisława Szymborska. One named Jeoffery is the subject of a Christopher Smart poem who is “servant of the Living God, duly and daily serving him” by counteracting the “powers of darkness by his electrical skin and glaring eyes.” More famously, T.S. Eliot described an Old Gumbie one, Jennyanydots alongside Mungojerrie, Rumpelteazer, Old Deuteronomy, Mr. Mistoffelees, and Rum Tum Tugger in *Old Possum's Book*. For ten points, identify the mammal that was also paired by Edward Lear with an owl.

**Answer: pussycats (accept equivalent)**

9. He wrote of the experiences, such as seeing Mrs. Tibbs ruin the goal of a widow to see the waterworks in a London garden, observed by a Chinese tourist in England in his *The Citizen of the World*, and his poem “The Traveller” recounts his own travel in Europe before returning to London as an apothecary assistant. His best work is often considered *The Deserted Village* and bemoans the fall of idyllic country life, paralleling the more humorous events of Dr. Primrose and his wife Deborah in *The Vicar of Wakefield*. For

ten points, name this Irish author of *She Stoops to Conquer*.

**Answer:** Oliver Goldsmith

10. Judah ben Bava says his hands brought defeat at Bethar during the Bar Kokhba rebellion. Eleazar's Genesis exegesis says Abraham died because this man violated a maiden, murdered, and stole and thus God whisked the patriarch away lest he be embarrassed by his grandson. His brother covers himself in deer hide and gets a blessing from Isaac, and he gave that brother his birthright in exchange for some porridge. Born with his brother clutching his heel, for ten points, name this biblical son of Rebekah and Isaac, the older brother of Jacob.

**Answer:** Edom or Esau

11. Types of these devices were first invented by Johann Christian Poggendorff in 1841. In modern industry, the most common types in use are cermet, conductive plastic, and wire-wound. Prominent companies involved in their manufacture include Spectrol, Panasonic, and Bourns. Usually coming in a linear taper, they can also be found with a logarithmic taper, which is especially useful for making volume control circuits. For ten points, name this electronic component, often used to adjust filter parameters or as a voltage divider, which is essentially a variable resistor.

**Answer:** Potentiometer(do not accept "rheostat")

12. A fort in this region was hoped to stop the expansion of the Portuguese from Mato Grosso at Borbon, which controlled it as far as the Bahia Negra. A royal ordinance of 1618 assigned the area north of the Bermejo river to the bishop of Asuncion, but confusion that triggered a war over ownership of it was displayed in a series of stamps issued by two landlocked nations, the smaller of which sought to regain ocean access. An arid region shared by Brazil, Argentina, and the two combatants, for ten points, name this region contested in a namesake 1932-1935 war between Bolivia and Paraguay.

**Answer:** Gran Chaco

13. It was considered in a 1799 paper by a representative to the Junior Council of the Cisalpine Republic and showed that  $S_5$  had no subgroups of index 3 or 4. However, Ruffini's demonstration that radicals were insufficient, an extension of Lagrange's work on coefficients and permutations, was not accepted by the mathematical community. In 1824, the proof by the man whose name adorns commutative groups showed that there was indeed no closed form solution. For ten points, the Ruffini-Abel equation shows that what polynomials with a term of order five have no general solution?

**Answer:** quintic equation

14. Troops from it were at pinned Caudine Forks and subsequently were forced to pass under a so-called "yoke of spears." Their lowest point came during the second of a series of three wars, which spanned the latter half of the 4th century BCE. Abandoning its hoplites and adopting the manipular military style, they won the Samnite wars and made their first major territorial expansion outside the province of Latium, after which they then fought Pyrrhus of Epirus who fought for Tarentum. For ten points, name this political entity whose law was the Twelve Tables and that was dissolved when Octavian turned it into

an empire.

**Answer:** Roman Republic or Rem Publicam Romanorum

15. One of the people who wrote a letter to him was Tom Watson who had visited Fife in order to drop off a present for the newborn Fraser Brown. That seems unlikely, as it's a 1,000km trip, and former home secretary Charles Clarke denounced the scheming visatee as "stupid, absolutely stupid." Other possible successors are John Reid and David Miliband, who might fare better against David Cameron than the boring Gordon Brown. Nevertheless, a flock of labor MPs wrote a sharp letter to him urging him to make clear when he is going to leave office. For ten points, name this head of government criticized for his unwavering support of George Bush, the current (but not for long) prime minister of England.

**Answer:** The Right Honourable Anthony Charles Lynton Blair

16. Basil Valentine calcined coppers with silica to produce it, but it was first produced on a large scale by Dr. Roebuck in 1746 using the lead chamber process, further refined by the Glover denitrating tower in 1859. Another option is to burn gypsum with coal, which is still done in Asia, but a process that converts a dioxide to a trioxide by passing it through a heated tube filled with finely divided platinum, known as the contact process, is the most popular method for producing it today. Its hydration by water is very exothermic, resulting in an extraordinary ability to take hydrogen and oxygen atoms out of other molecules, as in its reaction with sugar to produce carbon. For ten points, name this acid, the most commonly industrially produced compound other than water, also known as oil of vitriol, with formula  $H_2SO_4$ .

**Answer:** Sulfuric Acid or  $H_2SO_4$ (prompt on "oil of vitriol" or "Zayt al-Zaj")

17. The second act, praising a room in which songs awake and rouse the speaker from dismal dreams quickly breaks into asking the title character "Wo weiltet ihr?" He went to Rome, and was told that even though deliverance can never be found in the hot depths of hell, a dead staff can still blossom, as it does in Pilger's hand, signalling that God's mercy encircles the world and not in jest. The opera, based on Ludwig Bechstein's stories, begins with a song contest on the Warburg and ends with the title character throwing himself on Elizabeth's corpse and asking her to pray for him. For ten points, give the name of this Wagner opera about a lusty knight.

**Answer:** Tannhäuser und der Sängerkrieg auf Wartburg

18. The third essay in this collection discusses the origins of magic as coming from the human need to control one's world, inexplicably leading to the belief that thoughts are powerful enough to, for instance, injure one's enemies. In the second essay, the author considers one of the titular concepts, which is an example of his theories of projection, since it allows primitives to attribute their negative feelings to others on an external object, while the first essay concludes that, for primitives, the desire to sleep with one's mother-in-law is a conscious danger. FTP, identify this work of Sigmund Freud which considers the two title concepts, one a religious object and one a system of forbidden actions.

**Answer:** Totem and Taboo: Beyond the Lives of Savages and Neurotics

Totem und Tabu: Einige bereinstimmungen im Seelenleben der Wilden und der Neurotiker

19. A 1977 Constitution approved the creation of Jura, which like many of the others is officially called a republic even though it is not an independent state. In 1847, seven Roman Catholic ones formed the Sonderbund in response to the closure of monasteries in Aargau. Appenzell, Innerrhoden, and Glarus are the only ones to still practice direct democracy while Ticino, home to the cities of Lugano and Locarno, is the only one where Italian is the main language. The three “forest” ones: Uri, Schwyz, and Unterwalden, were the first to win their independence at the 1315 Battle of Morgarten and formed the nucleus of the country which now consists of 26 of them. These are, for ten points, what subdivisions which also include Basel-Stadt, Bern, and Zurich.

**Answer:** cantons of Switzerland

20. He offered to become Chancellor of the Exchequer in order to allow George Canning to take his post, which is surprising considering that Canning conspired to have him replaced by Wellesley and that he shot Canning in the ass during an 1809 duel. After he committed suicide with a letter opener on his way to Verona, Lord Byron instructed “Stop, traveller, and piss” on the grave of this man. As foreign secretary, he was responsible for the Act of Union, the Treaty of Chaumont, the congress of Aix-la-Chapelle, and reigning in the reactionary bent of Metternich. For ten points name this representative of Britain at the 1814-15 Congress of Vienna.

**Answer:** Viscount Castlereagh

**or The Most Honourable Robert Stewart, 2<sup>nd</sup> Marquess of Londonderry**

21. It is debated whether the “split eye-sockets” refer to himself or to the subject, “where God gathers wonders divine,” in his *Gazing at the Mountain* after he failed to pass the civil service exams. He casts himself as the “white-haired man, weeping tears of blood aimlessly turning about“ in *The White Emperor’s Castle*, which may reflect his years as a censor in 752 at the exiled court during the An Lushan rebellion. His *The Ballad of the Army Coats* shows his disgust at the war that forced him to flee his position in the Tang court. For ten points, name this Chinese poet and contemporary of Li3 Bai2.

**Answer:** Du Fu or Tu Fu

## 2 Princeton Bonuses, Round 1

1. Given a Mormon character from a film, name the film on a 5-10-20-30 basis.
  - 5 Turk and Virgil Malloy, two of the titular group, are Mormons in the 2001 remake of the 1960 film that featured Mormon cowboy Louis Jackson.  
**Answer: Ocean's Eleven**
  - 5 Chevy Chase, the titular journalist in this 1985 film, investigates the bigamist airline executive Alan Stanwyk.  
**Answer: Fletch**
  - 5 This film based on Mormon Kim Peek features Dustin Hoffman desperately needing to watch Wapner.  
**Answer: Rain Man**
  - 5 Jean Seberg plays Elizabeth, who is sold by her Mormon husband to a farmer and prospector, played by Lee Marvin and Clint Eastwood, who did their own singing in this musical about using "an oil based" coloring agent on the titular conveyance.  
**Answer: Paint Your Wagon**
  
2. Identify the following characters from *The Brothers Karamazov* for ten points each.
  - 10 This eldest son of Fyodor Pavlovich has a different mother than his two brothers and is convicted of murdering his father.  
**Answer: Dmitri Fyodorovich Karamazov (Accept Mitya, other diminutives)**
  - 10 This middle Karamazov brother, a cold academic and atheist, discovers that Smerdyakov killed their father just before Smerdyakov hangs himself.  
**Answer: Ivan Fyodorovich Karamazov (Accept Vanya other diminutives)**
  - 10 This elder is Alyosha's teacher at the monastery, and his death brings a stink rather than a miracle.  
**Answer: Zosima**
  
3. For ten points each, identify these terms from microeconomics that can screw over the poor.
  - 10 If poor have to buy expensive potatoes, they'll buy proportionally more potatoes and less meat. Thus, it's this good for which demand rises with price. Unlike Veblen goods, the increased demand doesn't come from changed preferences.  
**Answer: Giffen good**
  - 10 If a pauper and a baron have to split \$100,000 or do without, Mr. Moneybags has a lower utility for money, so he can demand proportionally more. In game theory, this is a situation in which actors each choose their own best strategy given the strategies all other actors can choose.  
**Answer: Nash equilibrium / solution**

10 We're all being made poor by the high price of gasoline, made higher by taxes, which attempt to correct a negative externality and thus is this kind of tax, named after the author of *The Economics of Welfare*.

**Answer:** Pigovian tax

4. How well do you know the art of Claude Monet? Given descriptions, identify some places that inspired Monet's work, 5-10-20-30.

5 From 1872 to 1875, Monet lived and painted in this small village 12 miles northwest of Paris. Its name comes from the silvery surface of the river Seine on whose banks it is located.

**Answer:** Argenteuil

5 In 1883, Monet moved to this town in Normandy where he lived until his death 43 years later. It was the site of his famous garden with water-lilies and a Japanese bridge.

**Answer:** Giverny

5 In 1892, Monet began a series of paintings of this city's cathedral from different points of view and during different times of day.

**Answer:** Rouen

5 In 1908, Monet visited this city painting various landmarks such as San Giorgio Maggiore and the Palazzo Ducale with their reflections in the water.

**Answer:** Venice

5. Identify the old British poet given lines of old British poetry. Five points if you need the name of the old British poem that the old British lines come from.

10 "Stone walls do not a prison make, Nor iron bars a cage; Minds innocent and quiet take That for an hermitage"

5 "To Althea, from Prison"

**Answer:** Richard Lovelace

10 "A belt of straw and ivy buds, // With coral clasps and amber studs; // And if these pleasures may thee move, // Come live with me and be my love."

5 "The Passionate Shepherd to his Love"

**Answer:** Christopher Marlowe

10 "Gather ye rosebuds while ye may, Old Time is still a-flying; And this same flower that smiles today, Tomorrow will be dying."

5 "To the Virgins, to Make Much of Time"

**Answer:** Robert Herrick

6. Identify the following figures from Norse Myth based on an event they were all involved in for ten points each.

10 Her apples prevented the Aesir from aging, so when she was kidnapped, they had to send someone to go looking for her to prevent themselves becoming octogenarians.

***Answer:* Idunn**

10 When Idunn was kidnapped, the Aesir blamed this trickster God for her being lost and made him go rescue her. He turned her into a nut and flew back with her.

***Answer:* Loki**

10 Idun was kidnapped by Thiazi, the father of this goddess of skiing and snow shoes. She went to avenge her father, but instead the Aesir let her pick someone to marry based on looking at his feet; poor girl, she got Njord.

***Answer:* Skadi**

7. Time for a lame bonus on military leaders. For ten points each ...

10 After winning the battle of the Cape of St. Vincent, he lost the use of his arm at Tenerife, causing him to refer to the stump as “my fin.”

***Answer:* Horatio Nelson, Viscount Nelson of the Nile and Burnham Thorpe**

10 Born with a withered arm, he became Kaiser at the age of 29 after the death of his more peaceful father, Frederick, of cancer in 1888.

***Answer:* Friedrich Wilhelm II, Viktor Albert**

10 Preparing to invade China, he left his capital at Samarkand but died of fever at Otrar on the Syr Darya in February 1405 and passed on his legacy to his less capable son, Shah Rokh.

***Answer:* Timur the Lame or Tamerlane**

8. Answer the following about closest astronomical objects for the stated number of points .

5 The closet star to Earth

***Answer:* Sol or the Sun (etc.)**

5 The closest star system to our solar system. It contains the three closest stars to Earth other than the Sun.

***Answer:* Alpha Centauri**

10 The closest galaxy to the Milky Way. It took that spot from Sagittarius Dwarf Elliptical Galaxy in 2003 when it was discovered. Amusingly, the Earth is closer to it than to our own Galactic center.

***Answer:* Canis Major Dwarf Galaxy**

10 The closest group of galaxies to our Local Group, at about 10 million light years away. Its largest member is NGC 253, also known as the Silver Dollar Galaxy or the Dusty Island Universe.

***Answer:* Sculptor Group or South Polar Group**

9. Answer some questions about a famous archaeological site, for ten points each.

10 To save it from flooding by the newly built Aswan High Dam, this temple complex was dismantled and moved piece by piece to a new location 200 meters from the Nile.

**Answer:** Abu Simbel

10 Abu Simbel was built to commemorate the victory of Ramses II at this 1274 BC battle in modern-day Syria.

**Answer:** Kadesh

10 The Italian Egyptologist Giovanni Belzoni cleared Abu Simbel of sand and discovered the tomb of Seti I at this site, a defile in the hills behind Dayr al-Bahri that used to be part of Thebes.

**Answer:** Valley of the Kings or Wadi al-Biban al-Muluk

10. Identify the following musical works connected by a common theme for ten points each.

10 The title character, John Wellington Wells, summons all the “spirits of earth and air, fiends of flame and fire” to help inject some topsy-turvydom on Ploverleigh in this Gilbert and Sullivan opera.

**Answer:** The Sorcerer

10 Based on Philopseudes and Goethe’s *Der Zauberlehrling*, this symphonic poem by Paul Dukas was perhaps intended as a scherzo to an unfinished larger work.

**Answer:** L’apprenti sorcier or The Sorcerer’s Apprentice

10 The dwarf sorcerer Chernomor in this Glinka opera abducts one of the title characters until she is saved by Ratmir and Gorislava.

**Answer:** Ruslan i Lyudmila or Ruslan and Ludmilla

11. In June, 1988, a six-part PBS miniseries introduced the ideas of a certain comparative mythologist to popular culture. For ten points each . . .

10 Name this author of *Myths to Live By* and the four-volume series *The Masks of God*.

**Answer:** Joseph Campbell

10 One of Campbell’s best-known works is this 1949 book which suggests that all the great heroic stories of world mythology are based on the same archetype.

**Answer:** The Hero with a Thousand Faces

10 Sometimes also called “the hero’s journey”, this eight-letter word from Joyce’s *Finnegan’s Wake* is the name given by Campbell to the archetypal heroic story, a pattern famously followed by George Lucas in *Star Wars*.

**Answer:** monomyth

12. Answer the following about the work of Theobald Smith for ten points each.

10 He helped discover, with its namesake, a gram negative bacteria that produces hydrogen sulfide and is often communicated through undercooked poultry.

**Answer:** salmonella bongori or enterica

10 Mr. Smith also was the first to describe this, a severe, sudden, life-threatening systemic allergic reaction to contact with an antigen the sufferer has become sensitized to.

**Answer:** anaphylaxis or anaphylactic shock

10 Theobald corrected this scientist's belief that the bovine and human versions were dissimilar; that correction helped lead to pasteurization. He won the 1905 Nobel for his work on and discovery of the Tuberculosis bacterium.

**Answer:** **Heinrich Hermann Robert Koch**

13. In 790, Jayavarman II, who claimed descent from the Funan, founded it. For ten points each ...

10 Around 900, Indravarman's son and successor, Yasovarman I moved the capital nearer to Siemréab, creating the site that sometimes gives what southeast Asian civilization its name?

**Answer:** Ankor or Khmer

10 The Khmer civilization was primarily located in what modern country?

**Answer:** Preahreacheanachakr Kampuchea or Kingdom of Cambodia

10 The Cambodian monarchy was restored in 1953 with the withdrawal of France under the rule of this king, who ruled until his abdication in favor of his son in 2004 and is now known as King-father.

**Answer:** **Norodom Sihanouk**

14. Answer the following about mountain ranges that have two "A"s in their names.

10 They go from Agadir in Morocco to Tunis, and frame the southwest Mediterranean.

**Answer:** Atlas

10 Victoria Peak is the tallest mountain in this range of Belize and Guatemala whose name comes from a Pre-Columbian civilization.

**Answer:** Maya

10 Going from the Gobi to the West Siberian Plain, they literally mean "golden" in Mongolian.

**Answer:** Altai

15. Without it, the ethanol in Chris Frankel's liver would never be dehydrogenated. For ten points each, answer some questions about a reaction we are all thankful for.

10 Ethanol's C-bound hydrogen is removed to leave what two carbon molecule?

**Answer:** acetaldehyde

10 That stereoselective reduction is performed by what coenzyme, which also binds to glyceraldehyde 3-phosphate dehydrogenase in the synthesis of ATP?

**Answer:** nicotinamide adenine dinucleotide

- 10 NAD requires this vitamin also known as nicotinic acid, or its precursor tryptophan in order to ward off pellagra.  
**Answer: niacin or B3**
16. Answer the following about mass, for ten points each.
- 10 In the Standard Model, fermions only have mass due to interactions with this elusive particle.  
**Answer: Higgs boson**
- 10 The present theory for neutrino mass, on the other hand, is built on works of this Italian physicist, a genius among Fermi's "Via Panisperna boys," who mysteriously disappeared in 1938 at the age of 32.  
**Answer: Ettore Majorana**
- 10 Odly enough, tachyons have a square mass which must be less than this value.  
**Answer: zero**  
**(accept obvious equivalents like "what Frankel would get on this bonus")**
17. Answer the following about a great theorem of Graph Theory for ten points each.
- 10 The first real proof was due to Haken and Appel, as well as some major computing power. This conjecture about planar graphs dates to Guthrie in 1852.  
**Answer: Four Color Theorem**
- 10 All proofs of the Four Color Theorem begin by claiming that the graph to be four-colored has every region bounded by a 3-cycle and that it has what property, equivalent to graph crossing number 0.  
**Answer: planar triangulation**
- 10 One of the most famous false proofs of the Four Color Theorem, which stood from 1879 to 1890, was due to this man, whose namesake Chains can be used to give a valid proof that planar graphs are five-colorable. Unfortunately, those Chains tell you nothing about four-coloring.  
**Answer: Alfred Kempe [KEMP]**
18. Identify some modern Japanese novels from plot descriptions for ten points each; you'll only get 5 if you need the author.
- 10 Based on the story *The Mirror of an Evening Scene*, it tells the story of the ballet expert Shimamura's affair with the geisha Komako.  
 5 Yasunari Kawabata  
**Answer: Snow Country or Yukiguni**
- 10 Toru Watanabe falls in love with Naoko, the mentally disturbed former girlfriend of his dead best friend. Watanabe tries to support her, but at the same time forms a relationship with the striking and independent Midori.

5 Murakami Haruki

**Answer:** Norwegian Wood or Noruwei no mon

10 An entomologist named Jumpei has to fight the sand and find water with the title widow.

5 Kobo Abe

**Answer:** Woman in the Dunes or Suna No Onna

19. FTPE, answer the following about conflicts that might have been avoided if a certain treaty had been signed 10 years earlier, the Aroostook War.

10 This General and subsequent 1852 Whig candidate was sent to keep the peace, and made a settlement with Sir John Harvey.

**Answer:** Winfield Scott

10 Tensions between the US and Canada first became strained when this steamboat was sacked, burned, and sent over Niagra falls in 1837.

**Answer:** Caroline

10 For a final ten, what treaty resolved the location of the Maine-New Brunswick border and definitively placed the western US-Canada border at the 49th parallel?

**Answer:** Webster-Ashburton Treaty

20. Answer these questions from the philosophy of mathematics, FTPE.

10 His *Begriffsschrift* was the first major text in modern logic, but more philosophically interesting was his *Grundgesetze der Arithmetik*, which tried to define arithmetic from purely logical reasoning.

**Answer:** Gottlob Frege

10 This man began the full axiomatization of mathematics by creating logical axioms for geometry. This began Formalism, the first opposing view to Frege's Logicism, rooted in his namesake Program. He was also known for some problems presented in Paris.

**Answer:** David Hilbert

10 Intuitionism, the third major view along with Logicism and Formalism, rejects this, the notion that for any meaningful predicate  $B$ ,  $B(A)$  or not  $B(A)$ .

**Answer:** law of excluded middle  
tertium non datur or ausgeschlossenen Dritten