

Round 8 **1st Section Toss-up Questions**

Question #1: Fine Arts

10 points

One of this painter's 1930s urban works shows a	Mark Rothko [or Markus
man in purple going down a staircase [pause] and is	Rothkowitz
titled Entrance to Subway. In a possible	-
representation of himself with his second wife Mell,	
this artist portrayed two very abstract moving	
creatures on a brown floor with a surreal white	
background [pause] in Slow Swirl by the Edge of the	
Sea. This artist's later works, such as Four Darks	
in Red and Black on Maroon, show blocks of colors	
that are approximately rectangular. Name this	
Russian-born American painter known for his	
"multiform" and "color field" paintings.	
creatures on a brown floor with a surreal white background [pause] in <i>Slow Swirl by the Edge of the</i> <i>Sea.</i> This artist's later works, such as <i>Four Darks</i> <i>in Red</i> and <i>Black on Maroon</i> , show blocks of colors that are approximately rectangular. Name this Russian-born American painter known for his "multiform" and "color field" paintings.	

Question #2: Science

	10 points
Radiation from this part of the electromagnetic	$\underline{\mathbf{infrared}}$ or $\underline{\mathbf{IR}}$ [accept
spectrum will be used to map the surface of the	near infrared]
Moon when NASA sends landers there in the near	
future. This radiation is used in thermography	
[thur-MAH-gruh-fee] to detect tumors by sensing	
heat. This radiation is detected by missiles, such as	
the Falcon, which are classified as heat-seekers.	
Active-illumination night vision works by making	
this radiation visible. Blood alcohol content and	
the concentration of carbon dioxide in the	
atmosphere can be measured using spectroscopy	
[spek-TRAH-skuh-pee] based on this type of	
radiation. Name this part of the electromagnetic	
spectrum that has wavelengths slightly longer than	
those of visible light.	



Round 8 1st Section Toss-up Questions

Question #3: Literature

10 points

These words are a subset of a part of speech, and a	<u>auxiliary</u> verbs or
further subset of these words has an epistemic	helping verbs [or helper
[ep-ih-STEM-ik], deontic [dee-"ON"-tik], or	verbs or (verbal)
dynamic modality. These words are part of a clause	<u>auxiliaries</u>]
and can specify the aspect or voice of the clause.	
These words can make a clause active or passive,	
and they can also make a clause perfect or	
imperfect. The word "will" is this type of word	
when it indicates the future tense. Conjugations of	
"to be" and "to have" are also commonly used as	
these types of verbs. Name these verbs that	
typically accompany a main verb.	

Question #4: Social Studies

	10 points
As a U.S. senator, this person worked with	Hubert (Horatio)
Representative Augustus Hawkins to create the Full	Humphrey (Jr.)
Employment and Balanced Growth Act. Before	
President Kennedy was elected, this person	
introduced a bill to create the Peace Corps; after	
Kennedy's death, this person, as Majority Whip,	
got the Civil Rights Act of 1964 through the Senate.	
Early in his career, this person led the Fusion	
Committee that created the Minnesota	
Democratic-Farmer-Labor Party. Name this person	
who served as Lyndon Johnson's vice president and	
was the Democratic presidential nominee in 1968,	
when he lost to Richard Nixon.	



Round 8 1st Section Toss-up Questions

Question #5: Literature

10 points

In one story by this writer, a character says "I'm	Joyce Carol <u>Oates</u>
Arnold Friend and that's my real name and I'm	
gonna be your friend, honey." In that story, this	
writer depicted a 15-year-old named Connie who	
hangs out at a drive-in restaurant. In a novel by	
this writer, Brock Botsford kills Bernie Malin, who	
loves Brock's sister, Loretta. That novel is part of	
this author's Wonderland Quartet, which starts	
with her novel A Garden of Earthly Delights. This	
author also wrote a novel about Marilyn Monroe	
titled <i>Blonde</i> . Name this author of "Where Are	
You Going, Where Have You Been?" and them.	

Question #6: Science

	10 points
Medicines that undergo this type of reaction, such	chelation [or chelating]
as penicillamine [pen-uh-SILL-uh-meen], which is	
sold as Cuprimine [KOO-pruh-meen], are given to	
patients with Wilson's disease. Because that	
medicine commonly undergoes this type of reaction,	
it is also useful for treating lead poisoning. This	
process is the main part of a medical therapy that	
removes heavy metals from people's bodies. The	
result of this type of reaction is similar to a	
coordination complex but has more bonds. One	
agent commonly used in this process when it	
combines with calcium and iron is E.D.T.A. Name	
this process that forms polydentate ligands	
[pah-lee-DENT-"ate" LIG-undz], which are often	
called cyclic, with a metal.	



Question #7: Fine Arts

10 points per part

This	s type of Latin hymn focuses on the suffering	
of N	lary.	
1	Name this type of song whose two-word name	<u>Stabat Mater</u>
	means "mother stood."	
2	This composer wrote a <i>Stabat Mater</i> around	Giovanni (Pierluigi da)
	1590 for Pope Gregory XIV [14]. This composer	<u>Palestrina</u>
	has been credited with saving polyphonic music,	
	though that credit was probably overstated.	
3	This Czech composer wrote another popular	Antonín (Leopold)
	Stabat Mater; he later traveled to America, an	<u>Dvořák</u>
	experience that inspired his "From the New	
	World" Symphony.	

Question #8: Fine Arts

Moz	art wrote 13 pieces that were classified as this	
type	e of music, the last of which was "Eine kleine	
Nac	htmusik" ["EYE"-nuh KLY-nuh	
NAI	HKT-moo-zeek].	
1	Give this term for classical music that is more	<u>serenade</u> s
	casual than a symphony. This term	
	traditionally applied to songs performed by	
	men to impress women, who often listened from	
	their balcony.	
2	This English composer wrote Serenade for	Benjamin Britten
	Tenor, Horn and Strings at the same time that	
	he was working on the opera <i>Peter Grimes</i> .	
3	Mozart's seventh serenade, like his 35th	Haffner family or the
	symphony, was written for this family.	Haffners



Round 8 2nd Section Teamwork Questions

Question #9: Science

10 points per part

Spac	cecraft often go near a planet or moon for a	
grav	rity assist.	
1	Mariner 10 and MESSENGER both used	Venus
	gravity assists from this planet on their way to	
	Mercury.	
2	The term "apsis" refers to an extreme point in	peri apsis
	an orbit. What word, formed by adding a prefix	[PAIR-ee-AP-siss]
	to the word "apsis", means the point in an orbit	
	at which a rocket engine is the most efficient?	
3	Gravity flybys take advantage of the effect	Hermann <u>Oberth</u>
	named after this scientist who worked in	[oh-bert] or <u>Oberth</u> effect
	Germany. The effect states that engines are	
	more efficient at high speeds.	

Question #10: Science

This	s quantity is plotted on the y -axis of the	
Hert	zsprung-Russell diagram.	
1	Name this quantity that is synonymous with	luminosity
	absolute brightness and can be used to find	
	absolute magnitude.	
2	The known star with the highest luminosity is	Large Magellanic
	in this galaxy near the Milky Way that is	$\underline{\text{Cloud}} [\text{accept } \underline{\text{LMC}}]$
	connected to a smaller galaxy by a bridge of	
	gas.	
3	That hypergiant star, R136a1, is this type of	Wolf-Rayet star
	star that can be further classified as "WN" or	
	"WC".	



Round 8 2nd Section Teamwork Questions

Question #11: Literature

10 points per part

This	s novel begins with Monsieur Crevel riding in a	
carr	iage wearing his National Guard uniform.	
1	Name this novel in which the title character has	La <u>Cousine Bette</u> [lah
	Count Steinbock arrested at about the same	<u>koo-zeen bet</u>] [or
	time she uses Crevel to tear apart the Hulot	<u>Cousin Bette</u> or <u>Cousin</u>
	[oo-loh] family.	\underline{Betty}
2	Cousin Bette is part of this French author's The	Honoré de Balzac
	Human Comedy.	
3	This Balzac novel is often paired with <i>Cousin</i>	Le <u>Cousin Pons</u> [leh
	<i>Bette</i> . Its title character is a man who collects	koo-zeen pawnss
	art.	

Question #12: Literature

This	s novel instructs the reader: "Relax.	
Con	centrate. Dispel every other thought."	
1	Name this novel in which The Reader and	If on a winter's night
	Ludmilla find many interrupted novels.	<u>a traveler</u> [or <u>Se una</u>
		<u>notte d'inverno un</u>
		$\underline{viaggiatore}$
2	If on a winter's night a traveler refers to	$\underline{country}/ies [accept]$
	Cimmeria [sim-AIR-ee-uh] and Cimbria	<u>nation</u> s]
	[SIM-bree-uh], two fictional examples of these	
	entities.	
3	This author wrote If on a winter's night a	Italo <u>Calvino</u>
	traveler and Invisible Cities.	



Round 8 2nd Section Teamwork Questions

Question #13: Social Studies

10 points per part

This	s state's panhandle contains the city of	
Ama	arillo [am-uh-RIL-oh].	
1	Name this state between New Mexico and	Texas
	Louisiana.	
2	This river goes through Waco [WAY-koh] and	$\underline{\mathbf{Brazos}}$ River [or $\underline{\mathbf{Brazos}}$
	College Station, Texas before emptying into the	de Dios]
	Gulf of Mexico just south of Houston.	
3	The Brazos River starts near this city just	Lubbock, Texas
	south of the panhandle. Some of the tourist	
	sites in this city honor Buddy Holly, who was	
	born in it.	

Question #14: Social Studies

Som	e of these islands form an independent	
country west of the International Date Line, and		
som	e are part of an American territory east of the	
Inte	rnational Date Line.	
1	Name these islands that include the city of	Samoa n islands
	Apia [ah-PEE-ah] on the island of Upolu	
	[oo-POH-loo].	
2	This town with a repetitive name is the capital	Pago Pago [PAHN-goh
	of American Samoa.	PAHN-goh]
3	This New Zealand territory, formerly known as	Tokelau
	the Union Islands, is just north of Samoa.	
	Nukunonu [noo-koo-NOH-noo] is its largest	
	atoll.	



Round 8 3rd Section Toss-up Questions

Question #15: Mathematics

The axiom named for this person is sometimes	<u>Archimedes</u>
called "the axiom of continuity" and states that	[ark-ih-MEE-deez]
n multiples of any segment are longer than any	
other segment, for some number n . Just like Euclid	
[YOOK-lid], there are geometries named for not	
followinig this person's axiom. That axiom is	
named for this person because it must be true for	
the method of exhaustion, which this person used	
to approximate the area of a circle and the value of	
pi. The class of solids named for this person do not	
have identical sides, but they do have identical	
vertices and regular sides. Name this ancient Greek	
mathematician and scientist.	

Question #16: Social Studies

	10 points
This U.S. cabinet-level department used to support	US Department of
homemakers by overseeing the Bureau of Home	<u>Agriculture</u> or
Economics. This department became involved with	<u>Agriculture</u> Department
education with the Smith-Lever [LEE-vur] Act of	
1914, which eventually led to the establishment of	
cooperative extension services at land-grant	
universities. This department's Food and Nutrition	
Service administers the National School Lunch	
Program and the Supplemental Nutrition	
Assistance Program. This department also oversees	
food safety and rural development. Name this	
cabinet-level department that administers laws	
related to farming.	



Round 8 3rd Section Toss-up Questions

Question #17: Science

10 points

This process is sometimes carried out with the help	desalination [before
of <i>Bacillus</i> [buh-SILL-uss] <i>subtilis moh 3</i> , which are	"minerals", accept any
electro-active bacteria. Australia uses most of the	reasonable answer
energy gained through the CETO 6 [SEE-toh "six"]	indicating the <u>removal</u> or
program for this process. This process is the most	<u>salt</u> or <u>mineral</u> s; before
common reason to perform multi-effect distillation	"water", prompt on water
or multi-stage flash distillation. This type of water	purification or purifying
purification is often done by reverse osmosis,	water; before "reverse",
though forward osmosis causes less fouling. Some of	prompt on <u>reverse</u>
the biggest plants for this process are in the Middle	<u>osmosis</u>]
East. This process is used by civilizations that live	
near oceans, seas, and some lakes. Name this	
process of removing minerals—especially salt—from	
water.	

Question #18: Social Studies

	10 pointo
The articles of this military alliance begin with a	<u>Schmalkaldic</u>
reference to Pope Paul III's Council at Mantua.	[shmahl-KAL-dik] <u>League</u>
This alliance was harmed by a feud between John	or <u>Schmalkaldischer</u>
Frederick, who was a leader in it, and his cousin	Bund
Duke Maurice. While this alliance was in the	-
process of being dissolved, it defeated Eric II and	
forced him to swim for his life at the Battle of	
Drakenburg. The big loss for this alliance was at	
the Battle of Mühlberg, which was a major victory	
for Holy Roman Emperor Charles V. This alliance	
worked with Martin Luther. Name this	
16th-century alliance that was located in what is	
now Germany and was comprised of Protestant	
princes.	



Round 8 3rd Section Toss-up Questions

Question #19: Miscellaneous

A song about this game was the biggest hit for
Buckner & Garcia. One of the sequels to this game
had some intermissions showing Junior and
Yum-Yum. The villains in this game are nicknamed
Blinky, Pinky, Inky, and Clyde. In the feminine
version of this game, the fruits moved around
rather than sitting still near the center of the
screen. This game's villains could be eaten when
they turned blue, which happened when the title
character ate a power pellet. Name this video game
popular during the 1980s in which the title
character goes around a maze eating dots.Pac-Man
Pac-Man
Pac-ManInterpretector
MS.

Question #20: Literature

	το ροπτε
In one novel by this author, a woman states "My	Samuel <u>Richardson</u>
heart and my hand shall never be separated",	
causing a man to ask "Am I as hateful to you, as	
the vile Solmes?". During that novel, this author	
describes those characters' correspondence with	
Anne Howe and John Belford, respectively. In	
another novel by this author, the protagonist says a	
closet "held the worst heart in the world". When	
this author has Mrs. Jervis leave the room, the	
protagonist is attacked by Mr. B. Name this	
18th-century English author who wrote the	
epistolary novels Clarissa and Pamela.	

10 points

10 nointo



Round 8 4th Section Teamwork Questions

Question #21: Science

10 points per part

Mix	tures involving this type of substance are	
calle	ed alloys.	
1	Name these substances that generally are shiny	<u>metal</u> s [or <u>metal</u> lic
	and are good conductors of heat and electricity.	substances]
2	Metals generally have this property, the ability	<u>ductility</u> or being <u>ductile</u>
	to be pulled into a wire. This property is not	
	the same as malleability.	
3	There is some controversy as to whether this	platinum
	element or gold is the most ductile. This metal	
	is in several chemotherapy drugs that are	
	designed to destroy DNA.	

Question #22: Science

Ans	wer the following about chemical weapons:	
1	This yellow-green diatomic gas was used as a	<u>chlorine</u> [accept \underline{Cl}_2]
	chemical weapon in World War I.	
2	Mustard gas contains chlorine, carbon,	$\underline{\mathbf{sulfur}} \ [\text{accept } \underline{\mathbf{S}}]$
	hydrogen and this element. The combination of	
	this element and hydrogen is responsible for the	
	smell of rotting eggs.	
3	Chlorine is present in almost all of this type of	vessicants
	chemical weapons. They are named for the	
	blisters they cause as a result of chemical burns.	



Question #23: Mathematics

10 points per part

This	s theorem and the extreme value theorem can	
be proven from the least upper-bound property.		
1	Name this theorem stating that if a function is	<u>intermediate value</u>
	continuous on the interval from a to b , it takes	theorem [accept \underline{IVT}]
	every value between " f of a " and " f of b ".	
2	This corollary of the intermediate value	Bolzano 's theorem
	theorem states if a continuous function takes on	
	positive and negative values in an interval, it	
	must have a root in that interval.	
3	Find the value of x predicted by Bolzano's	$\underline{3 \mathbf{pi}}$ [do not prompt on
	theorem for the function "sine of x " based on	partial answers]
	the fact that the sine of 9 pi over 4 is positive	
	[pause] and the sine of 23 pi over 6 is negative.	

Question #24: Mathematics

These diagrams are used to show solutions to		
diffe	rential equations.	
1	Name these diagrams which consist of many	slope fields [accept
	short segments plotted on a graph.	<u>direction field</u> s]
2	Slope fields are used to visualize this family of	Runge-Kutta
	methods to approximate solutions to differential	[ROON-guh KOO-tuh]
	equations. Euler's [OY-lur'z] method is a	methods
	simple example of this type of method.	
3	Give the <i>y</i> -coordinate of the horizontal	$y = \underline{1}$
	segments on a slope field showing solutions to	
	the equation " y prime equals the natural log of	
	y".	



Round 8 **4th Section Teamwork Questions**

Question #25: Social Studies

10 points per part

Nar	ne these Nobel Peace Prize laureates:	
1	This person, who was born in what is now	Mother Teresa [or Mary
	work in Kolkata, India.	Anjeze Bojaxniu j
2	This person was awarded the prize for her non-violent work but more recently has not controlled violence as the head of Myanmar.	Aung San <u>Suu Kyi</u> [awng san <u>soo chee</u>] [prompt on <u>Suu</u> or <u>Kyi</u> but do not accept or prompt on other partial answers]
3	This person received the prize when she was the President of Liberia.	Ellen Johnson Sirleaf [accept either underlined name]

Question #26: Social Studies

After brief terms by Yuri Andropov and		
Konstantin Chernenko, this person became the		
leader of the Soviet Union.		
1	Name this final Soviet leader who was in charge	Mikhail Gorbachev
	when several Eastern European countries	
	became more independent.	
2	Gorbachev promoted a policy of <i>perestroika</i> ,	<u>glasnost</u>
	which means "restructuring", and this policy,	
	whose Russian name means "openness".	
3	Eduard Shevardnadze [shev-urd-NAHD-zhuh],	Georgia [or Sakartvelo]
	who was Gorbachev's Minister of Foreign	
	Affairs, became the leader of this country until	
	its Rose Revolution.	



Question #27: Literature

10 points per part

In this novel, Lestrade and Gregson are falsely		
given credit for figuring out who murdered Joseph		
Star	ngerson.	
1	Name this novel that involves Lucy's wedding	A <u>Study in Scarlet</u>
	ring and the German word for "revenge"	
	written on a wall.	
2	This detective is the person who actually figures	Sherlock Holmes [accept
	out who the murderer is, as he does in many	either]
	stories and novels by Arthur Conan Doyle.	
3	In this Sherlock Holmes novel, some characters	The Hound of the
	believe in a supernatural black dog that	$\underline{Baskervilles}$
	terrorizes generations of a family.	

Question #28: Literature

In this novel, Blore is killed when a heavy clock		
falls on him.		
1	Name this novel that involves ten figurines on a	And Then There Were
	table on a remote island. The figurines break as	None
	the visitors to the island are killed one at a	
	time.	
2	And Then There Were None was written by	Agatha (Mary Clarissa
	this English writer of <i>The Mousetrap</i> .	Miller) Christie [accept
		either underlined name]
3	Christie wrote many novels featuring the	Roger Ackroyd [accept
	detective Hercule Poirot [air-kyool pwah-roh],	either]
	including one named for the murder of this	
	fiancé of Mrs. Ferrars.	



Round 8 5th Section Toss-up Questions

Question #29: Science

<u>plastid</u>s [prompt on One example of this type of organelle is targeted by doxycycline ["dock-see"-SYK-lin], which treats apicoplasts or malaria. In the past decade, scientists discovered leucoplasts or an organelle of this type that produces tannin tannosomes or [TAN-in]. Another organelle in this category is amyloplasts or responsible for forming and storing starch. Those chloroplasts] examples of these organelles are colorless, but some of these organelles have color—some of these organelles give fruits and flowers their colors. These organelles exist in auto-trophic [awt-oh-TROH-fik] eukaryotes ["you-CARRY-oats"], and the best known examples of them are green. Name this class of organelles that includes chloroplasts [KLOR-oh-plasts].

Question #30: Mathematics

	10 pointo
A theorem named for this person was extended by	René Descartes [ren-ay
Frederick Soddy to spheres and gives a quadratic	day-kart] [or Renatus
equation for the reciprocals of the radii of four	<u>Cartesius</u> ; prompt on
mutually tangent circles. This person and Leonhard	Cartesian]
Euler [OY-lur] stated equivalent theorems about	-
polyhedra [pah-lee-HEE-druh]; this person's version	
states that the total defect of a polyhedron	
[pah-lee-HEE-drun] is 4 pi radians. The number of	
sign changes in a polynomial is used to find the	
maximum number of positive roots using this	
person's "rule of signs". Name this French	
mathematician who developed analytic geometry,	
which is why the rectangular coordinate system is	
referred to using an adjectival form of this person's	
name.	

10 points



Round 8 5th Section Toss-up Questions

Question #31: Social Studies

10 points

A few decades after this law was passed,	Espionage Act of 1917
Congressman Richard Poff expanded it to apply to	
actions outside the U.S. This law was the main	
subject of Gorin v. U.S., which determined that	
this law could be applied to people who did not	
harm the U.S. Another Supreme Court decision	
over this law used the phrase "shouting fire in a	
theater." That 1919 case was Schenck v. U.S The	
Supreme Court also ruled that this law was used	
properly against Eugene Debs. This law was	
extended by the Sedition Act of 1918. Name this	
act that prohibited some speech that is disloyal to	
the United States.	

Question #32: Literature

	10 points
This character has a dream in which the king of the	Prince (Hikaru) <u>Genji</u>
sea says "The court summons you. Why do you not	[accept either underlined
go?". That dream, following a huge storm, causes	name; prompt on
this character to leave the Suma coast. This	<u>Minamoto</u>]
character, who is the son-in-law of the Minister of	
the Left, impregnates his stepmother, and their son	
becomes a national leader. This character had	
many affairs, including ones with Reikeiden	
[ray-kay-den] and her sister, the Lady of the	
Orange Blossoms. This character's first wife was	
Lady Aoi [ow-ee], and after she died he treated	
Lady Murasaki as though she were his wife. Name	
this protagonist of Murasaki Shikibu's novel that	
was written in the 11th century in Japan.	



Round 8 Extra Section Toss-up Questions

Extra Question #1: Science

10 ролло
<u>albuterol</u>
[al-BYOO-tuh-rawl] [or
<u>salbutamol</u> or <u>Ventolin</u>
or Proventil ; prompt on
<u>bronchodilator</u>]

Extra Question #2: Mathematics

A method for generating some of these structrures is named for Ralph Strachey [STRAY-chee]. When these structures satisfy extra conditions, they are classified as "diabolical" or "pandiagonal". The sum used in these structures equals one-half *n* times the quantity "*n* squared plus 1", where *n* is the size. When this type of structure has an odd-number size, then the number in the center is the average value of all the numbers in the structure. In the 3-by-3 version of this type of structure, there are eight ways to get a sum of 15. Name this arrangement of numbers in which each row, column, and diagonal has the same sum.

10 points



Round 8 Extra Section Toss-up Questions

Extra Question #3: Social Studies

10 points

Years before the Nuremberg trials, some German	Leipzig, Saxony, (East)
soldiers were tried in this city for mistreating	Germany
prisoners during World War I. This city's	
St. Nicholas Church was the initial site of the	
Monday demonstrations against the East German	
government that started in 1989. This city is just	
outside of Breitenfeld, which was the site of two	
victories for Sweden during the Thirty Years' War.	
This city was also the site of a massive battle,	
featuring 600,000 soldiers, that forced Napoleon to	
return to France shortly before he was exiled to	
Elba. Name this German city that in 1813 was the	
site of the Battle of the Nations.	

Extra Question #4: Literature

	10 points
After the protagonist of this novel "slept through	House Made of Dawn
the day and night in his grandfather's house", he	
walked through town and all the dogs barked. After	
the protagonist of this novel remembers seeing an	
eagle flying with a snake, this novel gives a brief	
history of the Eagle Watchers Society. Part of this	
novel is set in Los Angeles six years after the	
murder of Juan Reyes, an albino nicknamed "the	
white man". Francisco, who is the grandfather of	
the protagonist, dies at the end of this novel. Name	
this novel about a World War II veteran returning	
to New Mexico to live on a reservation, written by	
N. Scott Momaday.	



Round 8 Extra Section Toss-up Questions

Extra Question #5: Fine Arts

In Linz ["lints"] in the 1860s, this composer wrote	(Josef) Anton <u>Bruckner</u>
masses numbered 1 through 3, though he wrote	
some simpler masses in the 1840s such as the	
Windhaager Messe [VINT-hah-gur mess-uh]. This	
composer received many rounds of applause at the	
1884 premier of his seventh symphony, which	
supposedly has a cymbal clash to symbolize the	
death of Richard Wagner [REEK-hart VAHG-nur].	
There are several versions of this composer's second	
symphony, which is nicknamed "Symphony of	
Pauses", because he often revised his own	
symphonies. Name this Austrian composer whose	
fourth symphony is nicknamed <i>Romantic</i> and	
whose two early symphonies are referred to as	
Unknown and "Number Zero".	



Round 8 **Extra Section Teamwork Questions**

Extra Question #6: Science

10 points per part

This act was done via somatic [soh-MAT-ik]-cell		
nuclear transfer to create Dolly the sheep in 1996.		
1	Name this process that creates an organism	reproductive <u>cloning</u> [or
	that is genetically identical to a single parent.	making a <u>clone</u>]
2	Cloning proved that somatic cells could regain	pluripotency
	this trait of cells that are capable of giving rise	[plur-ih-"potency"] or
	to several different cell types.	pluripotent cells
3	In 2018, two primates of this type were cloned	(crab-eating) <u>macaque</u> s
	in China.	[muh-"COCK"] [or
		\underline{Macaca} fascicularis or
		long-tailed <u>macaque</u> s;
		prompt on Old World
		[monkeys]

Extra Question #7: Science

		- 1 1 1
This display is often made for genetic testing and		
uses a Giemsa [GIM-suh] stain.		
1	Name this display of an organism's	$\underline{\mathbf{karyotype}}(s)$ [accept
	chromosomes.	<u>karyotyping</u>]
2	Karyotyping is usually done on cells in this	<u>meta·phase</u>
	phase of mitosis, before ana phase.	
3	This genetic test, which uses fluorescence to	<u>FISH</u> [or <u>fluorescence in</u>
	find chromosomal abnormalities, was developed	situ hybridization]
	during the 1980s and can be used in spectral	
	karyotyping.	



Round 8 Extra Section Teamwork Questions

Extra Question #8: Social Studies

10 points per part

There have been several attempts to add a		
balanced budget amendment to the Constitution.		
1	This author of the Declaration of Independence	Thomas Jefferson
	and third U.S. president said that if he could	
	have one amendment, it would be for a	
	balanced budget.	
2	This senator wrote a Balanced Budget	(James) Strom
	Amendment that passed the Senate in 1982 but	Thurmond (Sr.)
	failed in the House. This person ran for	
	president in 1948 as the States' Rights	
	Democratic Party candidate.	
3	A balanced budget amendment was promised in	Contract with America
	this document written by Newt Gingrich and	
	Dick Armey to promote Republicans during the	
	1994 Congressional elections.	

Extra Question #9: Social Studies

This president increased the size of the United		
States by agreeing to the Gadsden Purchase,		
which was named after his ambassador to Mexico.		
1	Name this president who became unpopular	Franklin Pierce
	after signing the Kansas-Nebraska Act. The	
	Democrats nominated James Buchanan in 1856	
	instead of re-nominating this President.	
2	This person, who served as Pierce's secretary of	Jefferson (Finis) Davis
	war, later became the president of the	
	Confederate States.	
3	The Pierce administration was weakened by the	Ostend Manifesto [or
	publication of this document that said the U.S.	Ostend Circular
	should buy Cuba or take it over by force.	