

Round 2 1st Section Toss-up Questions

Question #1: Social Studies

10 points

	10 pointo
Based on his early war experiences, this person	(Johannes) Erwin (Eugen)
wrote the tactical book Infantry Attacks. This	Rommel
person often worked closely with Italo Gariboldi,	
who supported this person during Operation	
Sunflower. American Lloyd Fredendall	
[FREH-dun-dahl] was relieved from his command	
after being soundly defeated by this field marshal	
at the Battle of Kasserine [KASS-uh-rin] Pass. This	
person eventually committed suicide via cyanide	
pill to avoid a public trial following the 20 July plot.	
After the war, German writers promoted the	
reputation of the Wehrmacht [VAIR-mahkt] by	
pointing to this person's opposition to Adolf Hitler.	
Name this Nazi Germany Army leader known as	
"the Desert Fox".	

Question #2: Mathematics

10 points

One of these things is named after an Oxford	paradox es [or
University librarian and is based on the statement	$\underline{\mathbf{paradox}}$ ical statements;
"The least integer not nameable in fewer than 19	accept $\underline{\mathbf{antinomy}}$ /ies]
syllables." One of these things demonstrated a	
weakness in Gottlob Frege's [GAWT-lohb	
FRAY-guh'z] axiomatic laws, leading to the	
development of type theory and Zermelo set theory.	
That example of these things is based on the set of	
all sets that are not members of themselves, and it	
is named for Bertrand Russell. Another example of	
these things is based on a liar who says they are	
lying. Name these statements that appear to be	
self-contradictory.	



Round 2 1st Section Toss-up Questions

Question #3: Literature

10 points

In one novel by this author, Vernon Roscoe gets	Upton (Beall) <u>Sinclair</u>
caught up in the Teapot Dome scandal. That novel,	(Jr.)
which was one of several novels by this author	
about the energy industry, was Oil!. This author	
wrote a series of novels about Irma Barnes's	
husband, who gets captured by the Nazis in the	
novel Dragon's Teeth, and who is named Lanny	
Budd. Another novel by this author states	
"Nobody rose in Packingtown by doing good work."	
In that novel, this author depicted immigrants to	
Chicago from Lithuania, including a protagonist	
who works in the meatpacking industry. Name this	
author of <i>The Jungle</i> .	
	1

Question #4: Science

	10 points
This phenomenon is the prototype application of	Brownian motion
the Langevin [lanzh-vawn] equation, which has a	[accept Brownian
term from Stokes' law and a probabilistic term.	movement or pedesis]
One equation describing this phenomenon states	
that mean squared displacement equals 2 times	
mass diffusivity times time. The concept of	
sedimentation equilibrium was developed by Jean	
Perrin [zhahn per-an] by studying this phenomenon,	
which allowed him to measure Avogadro's number	
and verify the existence of molecules. This	
phenomenon is named after the person who	
described it after seeing pollen in water. Name this	
phenomenon that was explained by Albert Einstein	
and involves seemingly random motion of	
suspended tiny particles.	



Round 2 1st Section Toss-up Questions

Question #5: Fine Arts

One work by this artist shows a truncated triangular trapezohedron [truh-PEE-zoh-HEE-drun] to the left of a ladder and winged child. The main character in that work by this artist is a winged woman in the lower right corner, whose head rests in her hand. In another work by this artist, one of the characters is a corpse holding up an hourglass and riding a horse. Another character in the same work by this artist has a goat's head. Those works are *Melencolia I* and *Knight, Death and the Devil.* Name this early 16th-century German painter and printmaker who made several engravings.

Question #6: Social Studies

10 points

$\underline{14}$ th Amendment

10 points



Round 2 2nd Section Teamwork Questions

Question #7: Literature

10 points per part

Nan	ne these mythological characters whose	
pun	ishments last for eternity.	
1	This person who cheated death was forced to	Sisyphus [SISS-ih-fuss]
	repeatedly roll a boulder up a hill.	
2	This king, who tried to trick the gods into	Tantalus
	eating his son, stands in a pool of water near a	$[{f TAN-tuh-luss}]$
	fruit tree but is always hungry and thirsty.	
3	In Chinese mythology, this person either kills	Wu Gang [accept Wu
	his wife's lover or gives up while studying	Kang or Wu Zhi
	immortality. He repeatedly chops down a	
	self-healing tree on the Moon.	

Question #8: Literature

This	s god is sometimes called Vinayaka	
[vee	-NAH-yuh-kah], and a group of temples	
ded	icated to him are called the Ashtavinayaka	
[ahs	h-tah-vee-NAH-yah-kuh].	
1	Name this god who was beheaded by his father	Ganesh a
	Shiva but survived because he received an	
	elephant's head.	
2	This goddess of power is the mother of	Parvati [accept Uma or
	Ganesha. Ganesha was protecting her when he	Gauri
	was beheaded.	-
3	Parvati is also the mother of this god of war.	Kartikeya [accept
		<u>Skanda</u> or <u>Kumara</u> or
		Murugan or Shanmugha
		or <u>Subrahmanya</u>]



Round 2 2nd Section Teamwork Questions

Question #9: Science

10 points per part

Den	tal offices that administer anesthesia or	
seda	ation must have at least one of these devices,	
and	horse racing facilities must have at least two.	
1	Name these portable devices that can be used	AEDs or automated
	on people in cardiac arrest.	external defibrillators
		$[prompt on \underline{defibrillator}s]$
2	Many AEDs store information and can give an	$\mathbf{\underline{EKG}}(s)$ or
	output equivalent to this test of a heart's	$\underline{electrocardiogram}(s)$
	electrical activity.	$[\text{accept } \mathbf{\underline{ECG}}(s)]$
3	An AED is often used to treat this condition	(ventricular) <u>tachycardia</u>
	consisting of a very fast heartrate.	["tack"-ih-KAR-dee-uh]
		[prompt on V- <u>tach</u>]

Question #10: Science

The	re are generalized, social, and separation types	
of d	isorders named for this condition.	
1	Name this group of disorders characterized by	anxiety [accept
	worrying and/or nervousness.	<u>anxious</u> ness or being
		anxious]
2	One type of anxiety disorder is characterized by	panic attacks
	attacks described by this word. The attacks can	
	begin quickly and are characterized by disabling	
	anxiety.	
3	Psychologists often use this type of therapy for	cognitive behavioral
	anxiety disorders and depression that involves	therapy [accept \underline{CBT} ;
	developing coping skills to address negative	prompt on <u>talk</u> therapy]
	thoughts.	



Question #11: Social Studies

10 points per part

Mos	st of the Danube River delta is in Romania.	
1	What city, the capital of Romania, is a little north of the Danube?	Bucharest [or București [boo-koo-resht]]
2	The highest point in Romania is Moldoveanu [mol-doh-VEH-noo] Peak, which is in this mountain range. About half of this major range	Carpathian Mountains or Carpathians [or Carpati]
3	is in Romania. This city on the Black Sea coast is the oldest city in Romania and the fifth-most populous. This city and Navodari [nah-voh-DAH-ree] are	<u>Constanța</u> [kun-STAHN-suh or kohn-STAHN-tsuh]
	connected to the Danube River by the Danube–Black Sea Canal.	

Question #12: Social Studies

This	s extension of land includes the towns of	
Bar	nstable [BAHRN-stuh-bul] and Falmouth	
[FA]	L-muth].	
1	Name this eastern part of Massachusetts.	<u>Cape Cod</u>
2	This scientific community in the southwest part	Woods Hole
	of Cape Cod includes a famous Oceanographic	
	Institution.	
3	This bay is west of Woods Hole and the south	Buzzards Bay
	part of Cape Cod. The city of New Bedford is	
	near this bay.	



Round 2 2nd Section Teamwork Questions

Question #13: Mathematics

10 points per part

This	s shape is an equilateral, but not necessarily	
equi	iangular, quadrilateral.	
1	Give this term for a parallelogram with four	$\underline{\mathbf{rhomb}}$ us(es) [or $\underline{\mathbf{rhomb}}$ i]
	congruent sides.	
2	Find the area of a rhombus if its sides are of	50 times the square <u>root</u>
	length 10 units and its interior angles measure	of $\underline{2}$ square units [accept
	45 degrees and 135 degrees.	50 radical 2 square units
3	Find the area of a rhombus if its diagonals are	$\underline{21}$ square units
	of length 6 units and 7 units.	

Question #14: Mathematics

This geometry term is the opposite of		
"ciro	eumscribed".	
1	Give this term for a figure that is inside another	inscribe d figure
	figure in such a way that they touch in as many	
	places as possible.	
2	If the area of a square is 36 square units, what	$\underline{9 pi}$ square units [do not
	is the area of a circle inscribed in the square?	prompt on partial answers]
3	If the height of an equilateral triangle is	<u>12</u> units
	36 units, what is the radius of a circle inscribed	
	in the triangle?	



Round 2 3rd Section Toss-up Questions

Question #15: Science

10 points

In the past, roof slate referred to this rock, which is	shale
one of the rocks that can change into slate. One	
difference between this rock and mudstone is the	
tendency to be split along planes, which is called	
fissility [fih-SILL-ih-tee]. This rock, often found	
with sandstone or limestone, is a very common	
sedimentary rock. The Wheeler site with this rock	
in Utah contains many trilobite ["TRY-low-bite"]	
fossils, and Cambrian fossils are often found in this	
rock in the Canadian Rockies in Burgess [BUR-jess].	
Name this rock which in the United States often	
contains kerogen, making it a source of oil.	

Question #16: Literature

	10 points
One play by this writer begins with the old Jewish	Tom <u>Stoppard</u> [or Tomás
woman Emilia Merz celebrating Christmas with her	<u>Sträussler</u>]
family in 1899. That play by this author ends in	
1955 after many family members have died in the	
Holocaust. Before writing <i>Leopoldstadt</i> , this person	
wrote a play in which one of the characters wrote	
the poems "The Maid of Turkey" and "The Couch	
of Eros". In that play by this writer, Thomasina	
Coverly is tutored by Septimus Hodge. In another	
play by this writer, a coin repeatedly lands	
heads-up. That play by this author features	
characters from Shakespeare's Hamlet. Name this	
playwright of Arcadia and Rosencrantz and	
Guildenstern Are Dead.	



Round 2 3rd Section Toss-up Questions

Question #17: Miscellaneous

10 points

	10 00000
One of the best known participants in this sport	<u>bullfight</u> ing [accept <u>toreo</u>
was Conchita Cintrón [kohn-CHEE-tah	before "torero"]
seen-TROHN, who was arrested in 1949 for	
performing this sport in a way that only men were	
allowed to do. In modern times, activists claim that	
the European Union common agricultural policy	
subsidizes this sport despite claims made by the	
European Union. In a novel, Romero performs in	
this sport after being beaten up by Robert after	
both men are interested in Lady Brett Ashley.	
That novel, The Sun Also Rises, is one of several	
novels by Ernest Hemingway featuring this sport.	
Name this sport performed by matadors or toreros	
against large animals.	

Question #18: Social Studies

	10 points
After working as a Chester Bowles Asian Fellow in	Gloria (Marie) <u>Steinem</u>
India, this person disrupted World Youth Festivals	
while working indirectly for the CIA. This person	
then wrote "A Bunny's Tale", which was a	
magazine article about working for Playboy.	
Another prominent article by this person was	
"After Black Power, Women's Liberation". This	
person said of one of her successful ventures, "I	
realized as a journalist that there really was	
nothing for women to read that was controlled by	
women." That venture by this person was initially a	
one-off insert in <i>New York</i> magazine. Name this	
feminist who started $Ms.$ magazine.	



Round 2 3rd Section Toss-up Questions

Question #19: Science

Problems with this organelle can causeribosomes [acceptDiamond–Blackfan anemia. A type of scanning
named for these organelles takes place in theirPalade granules]smaller subunit. Some of these organelles are
attached to the inner mitochondrialPalade granules]["my"-toe-KON-dree-ul] membrane. The primary
purpose of the nucleolus [noo-klee-OH-luss] is to
manufacture these organelles. Many of these
organelles are attached to the rough endoplasmic
reticulum's outer membrane. These organelles are
the location where translating mRNA into protein
occurs. Name these organelles that are made up
largely of their namesake RNA.ribosomes [accept
Palade granules]

Question #20: Literature

	10 points
In one story by this writer, a woman is told that	Haruki Murakami
her mother never loved her even for a minute, and	
her sister does not like her either. That message is	
given by a talking monkey who likes to steal names.	
This writer put that story and its follow-up in the	
collections Blind Willow, Sleeping Woman and	
First Person Singular. In a novel by this writer,	
one woman's job is to kill men who have committed	
domestic violence, and she investigates the	
manuscript of Air Chrysalis. That novel by this	
author is narrated by Tengo, Ushikawa, and	
Aomame [ah-oh-mah-may]. Name this writer of the	
novel $1Q84$ ["one Q eighty-four"].	

10 points

10 noints



Round 2 4th Section Teamwork Questions

Question #21: Social Studies

10 points per part

Ans	wer the following about events related to	
Nat	ive Americans in 1832:	
1	Seminole leaders agreed to the Treaty of	Trail of Tears
	Payne's Landing, leading to their eventual	
	removal through this infamous route.	
2	This 1832 Supreme Court decision vacated a	Worcester v. Georgia
	conviction against a white person living on	[either order; prompt on
	Cherokee land. President Andrew Jackson	<u>Georgia</u>]
	supposedly reacted by saying "John Marshall	
	has made his decision; now let him enforce it!".	
3	The Black Hawk War ended with this battle in	Battle of $\underline{Bad Axe}$ [accept]
	early August near Victory, Wisconsin. Black	<u>Bad Axe</u> Massacre]
	Hawk fled during this battle, which is	
	sometimes classified as a massacre.	

Question #22: Social Studies

This	s Baptist pastor started the Moral Majority.	
1	Name this pastor and conservative activist who	Jerry (Laymon) Falwell
	also started Liberty University, which was led	Sr.
	by his son until the son resigned while	
	embroiled in controversies in 2020.	
2	Falwell funded a 1994 documentary claiming	(William Jefferson) "Bill"
	that this person who was then president	<u>Clinton</u> [or William
	committed murder and smuggled drugs.	Jefferson <u>Blythe</u> III]
3	This other pastor, who supported the Moral	(Marion Gordon) "Pat"
	Majority, ran in the Republican presidential	$\underline{\text{Robertson}}$
	primaries in 1988. He finished second in the	
	Iowa Caucus, ahead of George H. W. Bush.	



Round 2 4th Section Teamwork Questions

Question #23: Fine Arts

10 points per part

The	title song of this musical asks "What good is	
sitting alone in your room?"		
1	Name this musical set at the Kit Kat Klub in	Cabaret
	Berlin.	
2	The Emcee introduces the cabaret dancers in	" <u>Willkommen</u> "
	this opening number.	
3	<i>Cabaret</i> is one of many musicals that this	John (Harold) <u>Kander</u>
	composer wrote with lyricist Fred Ebb.	

Question #24: Fine Arts

10 points per part This musical opens with the song "I Whistle a Happy Tune". Name this musical set in Siam. 1 The King and I In The King and I, Anna sings this song with "Getting to Know You" $\mathbf{2}$ the children after saying "If you become a teacher, by your pupils you'll be taught." Rodgers and Hammerstein wrote The King and South Pacific 3 I just after they wrote this musical set in Polynesia. It features the songs "You've Got to Be Carefully Taught" and "Bali Ha'i".



Round 2 4th Section Teamwork Questions

Question #25: Science

10 points per part

This	s property occurs in fields symbolized by a	
capi	tal B or capital H .	
1	Name this phenomenon often caused by	(electro) magnet ism
	unbalanced electron spins. Ends of materials	[accept (electro) <u>magnet</u> ic]
	with this property are often labeled as "north	
	pole" and "south pole".	
2	In this type of magnetism, materials have no	diamagnet ism
	unpaired electrons and have a negative	[" <u>DIE-uh-magnet</u> ism"]
	magnetic susceptibility, generally close to zero.	[accept diamagnetic]
3	This quantity equals the surface integral of the	magnetic <u>flux</u>
	normal component of the magnetic field over a	
	surface. This quantity is measured in webers.	

Question #26: Science

This	s particle was first observed in 2012 at the	
Larg	ge Hadron [HAY-dron] Collider.	
1	Name this fundamental particle whose mass has	$\underline{\mathbf{Higgs}}$ boson [or $\underline{\mathbf{Higgs}}$
	been used to calculate the mass of W and Z	particle]
	bosons [BOH-zahnz].	
2	W and Z bosons mediate this fundamental	(electro) weak interaction
	interaction.	or $(electro)$ <u>weak</u> force
3	The Higgs field is this type of field in which	<u>scalar</u> fields
	every point in space can be assigned a	
	numerical value. Potential and temperature	
	fields are also this type of field.	



Round 2 4th Section Teamwork Questions

Question #27: Literature

10 points per part

One	e character in this short story was raised by a	
family who found her lying asleep in the shadow		
of a	big stone pillar.	
1	Name this story in which Armand Aubigny	"Désirée's Baby"
	[oh-bin-yee] throws his wife's possessions into a	
	bonfire.	
2	This author wrote "Désirée's Baby" and The	Kate <u>Chopin</u>
	Awakening.	[shoh-PAN] [or Katherine
		<u>O'Flaherty</u>]
3	This story by Chopin begins with Louise	"The Story of an Hour "
	Mallard being told that her husband died in a	
	railroad accident.	

Question #28: Literature

The	introduction to this poem says "The Pool	
Play	vers. Seven at the Golden Shovel."	
1	Name this poem that states, "We / Left school.	" <u>We Real Cool</u> "
	We / Lurk late. We / Strike straight. We /	
	Sing sin. We / Thin gin. We / Jazz June. We /	
	Die soon."	
2	This Black writer, who was the Poet Laureate	Gwendolyn (Elizabeth)
	of Illinois from 1968 to 2000, wrote "We Real	Brooks
	Cool".	
3	Gwendolyn Brooks also wrote this poem about	"The Bean Eaters "
	an "old yellow pair" "who are Mostly Good".	



Round 2 5th Section Toss-up Questions

Question #29: Mathematics

	10 points
The identification of these values is the purpose of	<u>outlier</u> s
both the Grubbs test and modified Thompson Tau	
test. The effects of these values are minimized by	
the random sample consensus method. These	
values have a major effect on least squares fitting.	
Statistics are considered robust if they are not	
significantly affected by these values. These values	
are sometimes defined as those that exceed the	
third quartile plus 1 and a half times the	
interquartile range, and similarly on the low end.	
These values are sometimes plotted as separate	
points on a box plot. Give this term for values in a	
population that are far away from most of the data	
points.	

Question #30: Social Studies

	TO points
In 2011, Yemen's Tawakkol Karman	(Republic of) <u>Liberia</u>
[TAH-wahk-kawl KAR-mun] shared a Nobel Peace	
Prize with two women from this country. One of	
those women was Leymah Gbowee [LAY-muh	
BOH-ee], who helped end this country's civil war in	
2003. The other woman from this country, who in	
2006 became the first elected female head of state	
in Africa, was Ellen Johnson Sirleaf. Sirleaf has	
been succeeded by a soccer star from this country,	
George Weah [WEE-uh]. This country had even	
more deaths than its neighbors Guinea and Sierra	
Leone [lee-OHN] during the Ebola virus epidemic	
that ended in 2016. Name this country that started	
out as a project of the American Colonization	
Society, which is why its capital is named Monrovia.	

10 points

10 points



Round 2 5th Section Toss-up Questions

Question #31: Science

10 pointsThis law gives unreliable results because it is
designed only for the solvent in a solution and it
assumes that intermolecular forces in the pure
solvent are very similar to those between the
solvent and solute in the solution. In an ideal
solution, the solvent obeys this law and the solute
obeys Henry's law. In an ideal system, this law
combines with Dalton's law of partial pressures to
relate the mole fraction of a component in different
phases. Name this law that sets partial pressure
equal to a product of equilibrium vapor pressure
times mole fraction.10 points

Question #32: Literature

10 pointsIn the beginning of this writer's memoir, he uses
straws from a broom to light a curtain on fire,
causing his grandmother's house to burn. This
author then recounts moving to Memphis and
Chicago, where he works with members of the
Communist Party. In a novel by this author, the
protagonist is eventually helped by the Communist
lawyer Boris Max after trying to frame a
Communist named Jan for the death of Mary
Dalton. Mary was killed and decapitated by this
author's protagonist Bigger Thomas. Name this
author of *Black Boy* and *Native Son*.Richard (Nathaniel)10 points11 points12 points13 points14 points15 points16 points17 points18 points19 points19 points19 points10 points10 points10 points10 points11 points12 points13 points14 points15 points16 points16 points17 points18 points19 points19 points19 points10 points10 points10 points10 points11 points11 points12 points13 points14 points15 points15 points16 points17 points18 points19 points19 points19 points10 points10 points10 points10 points10 points10 points</tr

(**a b**)



Round 2 Extra Section Toss-up Questions

Extra Question #1: Mathematics

10 points

This theorem is often proved using the boundedness	<u>extreme value</u> theorem
theorem and Bolzano–Weierstrass [VY-ur-shtrahss]	[prompt on \mathbf{EVT}]
theorem, and this theorem is used to prove Rolle's	
[role'z] theorem. This theorem applies to mappings	
from a non-empty compact space to subsets of the	
real numbers. This theorem does not require	
functions to be differentiable, but the points it	
guarantees are either critical points or endpoints of	
a closed interval. Statements of this theorem can	
include two less than or equal signs. Name this	
theorem stating that under certain circumstances	
continuous functions must achieve both a maximum	
and a minimum.	
	1

Extra Question #2: Social Studies

		10 points
During the last 10 days of the year, members of this	Zoroastrian ism	
religion honor the dead by celebrating Frawardigan		
[fruh-war-dee-GAHN]. The six feasts in this religion		
that do not happen on the new year are the		
gahanbars [guh-HAHN-barz]. When approaching		
adulthood, members of this religion are given a		
sudreh [SUH-druh] and kushti [KUSH-tee], which		
are a sacred shirt and cord used to remember the		
creed "Good Words, Good Thoughts, and Good		
Deeds." The 17 hymns attributed to the founder of		
this religion are the Gathas [GAH-thuz]. Members		
of this religion worship Ahura Mazda and read the		
Avesta. Name this monotheistic religion that		
started in what is now Iran about 3500 years ago.		



Round 2 Extra Section Toss-up Questions

Extra Question #3: Fine Arts

10 points

Alexander (Porfiryevich)
Borodin

Extra Question #4: Science

	10 points
This molecular geometry can occur with an sd^2 ["S	trigonal pyramidal
D two"] hybridization, though it most often occurs	geometry [prompt on
with the same hybridization as the tetrahedral	partial answers]
shape, which is sp^3 . This molecular geometry is	
exhibited in chlorate [KLOR-"ate"] anions	
[AN-"eye"-ahnz], phosphine [FAHSS-feen],	
hydronium ["hi"-DROH-nee-um], and ammonia.	
The difference between this shape and trigonal	
[TRIG-uh-nul] planar is that this shape is	
influenced by the existence of a lone pair, which	
forces this shape to be three-dimensional. Name	
this molecular shape based on a steric number of 4,	
with one lone pair and three atoms bonded to the	
central atom.	



Round 2 Extra Section Toss-up Questions

Extra Question #5: Literature

10 points

A short story by this writer ends with one man	Zadie <u>Smith</u> [or Sadie
holding another so that they can mop "whatever	$\underline{\mathbf{Smith}}]$
scum we have left of ourselves off the sides". That	
story, set in a hotel in southern Spain, is "The Lazy	
River" and is included in this author's collection	
Grand Union. A novel by this author contrasts	
Leah Hanwell, who falls for a scam artist, with her	
more successful friend who becomes a lawyer and	
marries an investment banker. Some of the conflicts	
faced by Natalie Blake mirror the conflicts felt by	
this writer as a successful Black woman in London.	
Name this contemporary author of NW .	



Round 2 Extra Section Teamwork Questions

Extra Question #6: Science

10 points per part

The	se locations exist when overtones are created.	
1	Name these locations on a standing wave where	nodes
	the amplitude is minimized and is often zero.	
2	If the distance between successive nodes is	doubling it or
	known, the wavelength can be calculated by	<u>multiply</u> ing it <u>by 2</u>
	performing this operation on the distance	[accept <u>times 2</u> or
	between nodes.	doubled]
3	The shapes of nodes on two-dimensional	Ernst (Florens Friedrich)
	surfaces are named for this German scientist	Chladni [KLAHD-nee]
	who found them using a violin bow.	

Extra Question #7: Science

10 points per part John Bardeen won two Nobel Prizes in Physics. 1 He shared the first prize with William Shockley (point-contact) and Walter Brattain for developing this device. **transistor**(s) It has three leads and is used in integrated circuits. 2 Bardeen shared the second prize with Leon superconductivity Cooper and John Schrieffer for a theory about [accept **<u>superconduct</u>**ing this phenomenon, in which there is no or **<u>superconduct</u>**ors; do resistance. not prompt on partial answers] Bardeen's son James found an exact solution to **Einstein field** equation(s) 3 this equation. This equation uses the [accept $\underline{\mathbf{EF}}$ E; prompt stress-energy tensor and the cosmological partial answer] constant.



Round 2 Extra Section Teamwork Questions

Extra Question #8: Literature

10 points per part

The	title character of this play hates Montfleury	
[mawn-floo-ree] because of the way Montfleury		
once	e looked at a woman the title character loves.	
1	Name this play that begins with Christian	<u>Cyrano de Bergerac</u>
	being told about Roxane.	
2	This playwright wrote Cyrano de Bergerac.	Edmond (Eugène Alexis)
		Rostand
3	Cyrano de Bergerac controls himself when	Cyrano's <u>nose</u>
	Christian mentions this thing, but he slaps a	
	musketeer who mentions it.	

Extra Question #9: Literature

The title character of this play was supposedly		
dumped by her fiancé because she wanted him to		
jump over a whip.		
1	Name this play in which the daughter of a	<u>Miss Julie</u> [or <u>Fröken</u>
	count falls in love with a servant who is	\underline{Julie} ; accept $\underline{Miss \ Julia}$]
	engaged to a cook.	
2	This Swedish playwright wrote <i>Miss Julie</i> .	(Johan) August
		$\underline{\mathbf{Strindberg}}$
3	The title character in <i>Miss Julie</i> claims that her	$\underline{\mathbf{men}}$ [accept $\underline{\mathbf{male}}$ s or
	mother taught her to hate which type of	boys]
	people?	