## Astronomy Ranking Task: Gravity

## Exercise #3

pos	escription: In the picture below, the Earth-Moon system is shown (not to scale) a ssible positions (A - E) for a spacecraft traveling from Earth to the Moon. Note is exactly half-way between Earth and the Moon	_
C I	is exactly half way between Earth and the Moon	○Moon
E	E A  D A  C A  B A  Earth	
<b>A. Ranking Instructions:</b> Rank (from greatest to least) the strength of the gravitational force at positions A - E exerted by the Moon on the spacecraft.		
	<b>Ranking Order:</b> Greatest 1 2 3 4 5	Least
	Or, the gravitational force exerted at each position is the same (in check mark)	dicate with a
	Carefully explain your reasoning for ranking this way:	
В.	<b>king Instructions:</b> Rank (from greatest to least) the strength of the net (or total) itational forces at positions A - E exerted by both the Earth and the Moon on the ecraft.	
	<b>Ranking Order:</b> Greatest 1 2 3 4 5	Least
	Or, the gravitational force exerted at each position is the same (in check mark)	dicate with a
	Carefully explain your reasoning for ranking this way:	