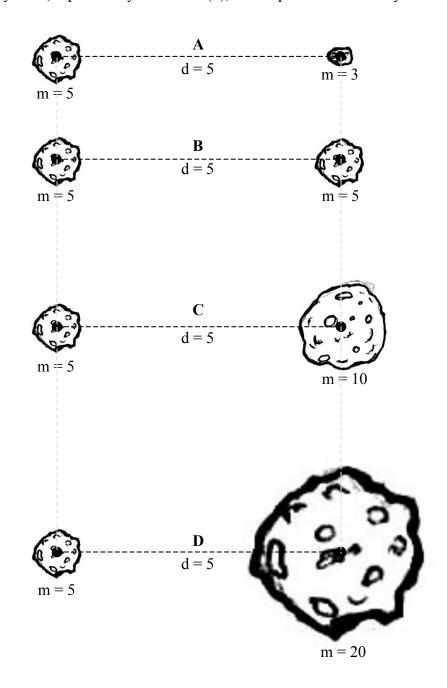
Astronomy Ranking Task: Gravity

Exercise #4

Description: The figures below (A - D) each show two rocky asteroids with masses (m), expressed in arbitrary units, separated by a distance (d), also expressed in arbitrary units.



eanking Order: Or, the strength of the ndicate with a checondicate	e gravitational f				
ndicate with a chec	_	orce exerted	l in each ca		
			in cach co	ise is the sa	ime
farefully explain y	our reasoning fo	r ranking th	is way:		
east) that the astero	ds located on the				
anking Order: (reatest 1	_ 2	_ 3	_ 4	_ Least
r, the accelerations	for each asteroi	d is the sam	e	(indic	ate with a check mark)
arefully explain y	our reasoning fo	r ranking th	is way:		
r	ast) that the asteroi ravitational force ex anking Order: G r, the accelerations	ast) that the asteroids located on the avitational force exerted on it. anking Order: Greatest 1 r, the accelerations for each asteroi	ast) that the asteroids located on the <u>left side</u> of ravitational force exerted on it. anking Order: Greatest 1 2 r, the accelerations for each asteroid is the sam	ast) that the asteroids located on the <u>left side</u> of each pair ravitational force exerted on it. anking Order: Greatest 1 2 3	anking Order: Greatest 1 2 3 4