## Astronomy Ranking Task: Apparent and Absolute Magnitude

## Exercise #2

**Description:** The figure below shows five stars (A - E) as they appear in the night sky from Earth. A darker shading is used to indicate the appearance of a dimmer star. Note that star B is shown the darkest, followed by D, C, E, and A.



Carefully explain your reasoning	for ranking	g this way:			
Or, the apparent magnitude number check mark).	er would be	e the same fo	or each star	(i	ndicate with
Ranking Order: Greatest 1	2	3	4	5	Least
<b>B. Ranking Instructions:</b> Rank apparent magnitude.	the numeri	cal value (fi	om greates	t to least) fo	or each star's
Carefully explain your reasoning	for ranking	g this way:			
Or, the brightness of each star wo	uld appear	the same	(ind	icate with c	heck mark).
Ranking Order: Greatest 1	2	3	4	5	Least
<b>A. Ranking Instructions:</b> Rank in the night sky.	J	`		,	The same and

Rank the	distance (fr	rom greate	st to least)	of each st	ar from Earth.
1	_ 2	_ 3	4	5	Least
cannot be	determined	d from this	informatio	n	_ (indicate with
soning for	ranking th	is way:			
	1	1 2 cannot be determined	13	1 2 3 4 cannot be determined from this informatio	Rank the distance (from greatest to least) of each st  1 2 3 4 5  cannot be determined from this information  soning for ranking this way: