## 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.



in the night sky.	tne brightn	ess (from g	reatest to le	ast) of each	i star as it appea
Ranking Order: Greatest 1	2	3	4	5	Least
Or, the brightness of each star wou	ld appear	the same	(ind	icate with c	heck mark).
Carefully explain your reasoning	for ranking	g this way:			
<b>B. Ranking Instructions:</b> Rank t apparent magnitude.	the numeri	cal value (fi	rom greates	t to least) fo	or each star's
Ranking Order: Greatest 1	2	3	4	5	Least
Or, the apparent magnitude numbe check mark).	r would be	the same for	or each star	(i	indicate with
Carefully explain your reasoning	for ranking	g this way:			

C. Ranking Inst	tructions:	Rai	nk the distanc	e (from gre	eatest to lea	st) of each	star from Earth.
Ranking Order:	Greatest	1_	2	3	4	5	Least
Or, the distance f check mark).	rom Earth	canı	not be determ	nined from t	this informa	ation.	(indicate with
Carefully explai	<b>n</b> your rea	soni	ng for rankin	g this way:			