Astronomy Ranking Task:
Parallax

Exercise #2

Description: The table below shows parallaxes for four fictitious stars, lettered A through D.

Star	Parallax (")
A	0.0794
B	0.00757
C	0.00422
D	0.38

A. Ranking instructions: Rank the sizes of the parallax angles of the stars.

Ranking Order: Smallest   1 _____   2 _____   3 _____   4 _____   Largest

Or, the parallax angles of the stars are all the same. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

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B. Ranking instructions: Rank the distances of the stars.

Ranking Order: Greatest   1 _____   2 _____   3 _____   4 _____   Least

Or, the distance to each star is the same. _____ (indicate with a check mark)

Or, there is not enough information to determine the stars' distances. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

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C. Ranking instructions: Rank how bright the stars appear.

Ranking Order: Brightest   1 _____   2 _____   3 _____   4 _____   Faintest

Or, the stars all appear the same brightness. _____ (indicate with a check mark)

Or, there is not enough information to determine the brightness. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

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D. Ranking instructions: Rank how much the stars appear to shift on the sky.

Ranking Order: Least   1 _____   2 _____   3 _____   4 _____   Most

Or, the stars each appear to shift by the same amount. _____ (indicate with a check mark)

Or, there is not enough information to determine the apparent shifts of the stars. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

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