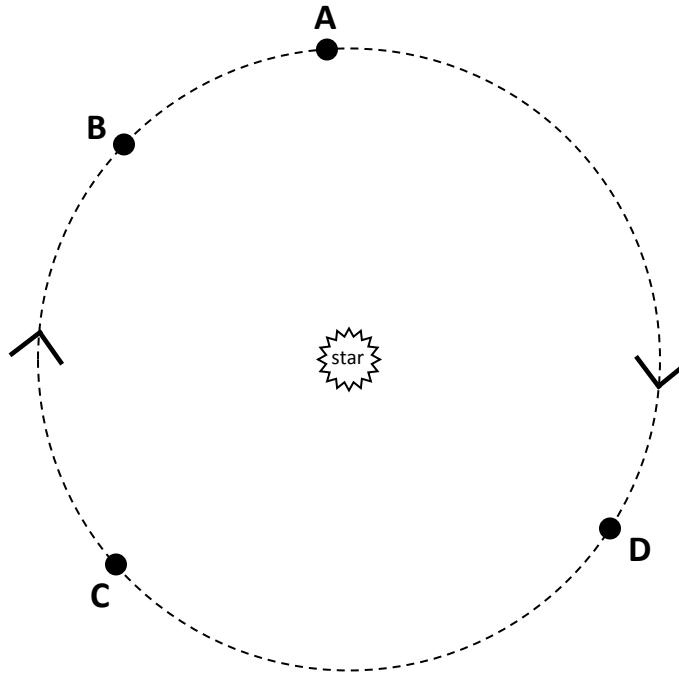


Astronomy Ranking Task: Kepler's Laws – Orbital Motion

Exercise #6

Description: The figure below shows four locations (A – D) of an object during its circular orbit around a star.



A. Ranking instructions: Rank the speed (from fastest to slowest) that the object would have at each of the four locations.

Ranking Order: Fastest 1 _____ 2 _____ 3 _____ 4 _____ Slowest

Or, the orbital speed at each location would be the same. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:
