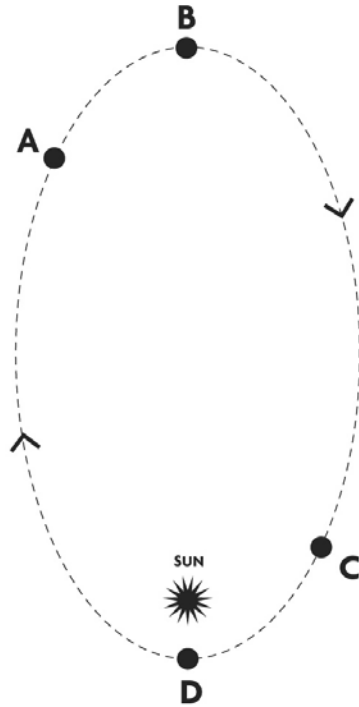


Astronomy Ranking Task: Kepler's Laws - Orbital Motion

Exercise #2

Description: The figure below shows four locations (A – D) of an asteroid during its elliptical orbit around the Sun.



Ranking Instructions: Rank the speed (from fastest to slowest) that the asteroid 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 check mark).

Carefully explain your reasoning for ranking this way:
