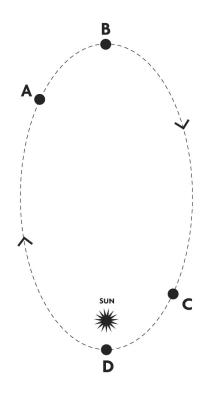
## Astronomy Ranking Task: Kepler's Laws – Orbital Motion

## 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: