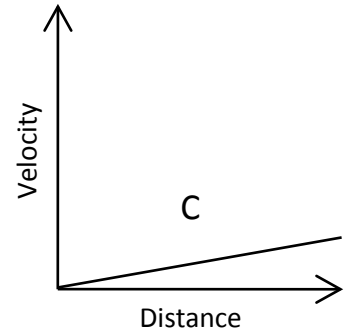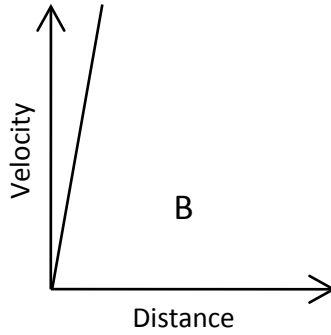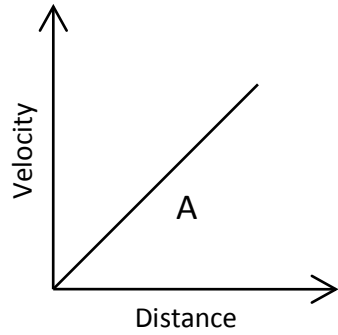# Astronomy Ranking Task:
Hubble's Law

Exercise #2

Description: A series of Hubble plots is shown, each depicting a different possible universe. The axes on each are identical.

A. Ranking instructions: Rank the slopes of the lines on each Hubble plot.

Ranking Order: Steepest   1 _____   2 _____   3 _____   Shallowest

Or, the slopes of the lines on the Hubble plots are all the same. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

_____

_____

_____

_____

_____

B. Ranking instructions: Rank the expansion rates the universes experience.

Ranking Order: Slowest   1 _____   2 _____   3 _____   Fastest

Or, all the universes experience the same expansion rate. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

_____

_____

_____

_____

_____

C. Ranking instructions: Rank the sizes of the universes, assuming they all came into existence at the same time.

Ranking Order: Largest   1 _____   2 _____   3 _____   Smallest

Or, the universes are all the same size. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

_____
_____
_____
_____
_____

D. Ranking instructions: Rank the ages of the universes, assuming they are all the same size.

Ranking Order: Oldest   1 _____   2 _____   3 _____   Youngest

Or, the universes are all the same age. _____ (indicate with a check mark)

Carefully explain your reasoning for ranking this way:

_____
_____
_____
_____
_____