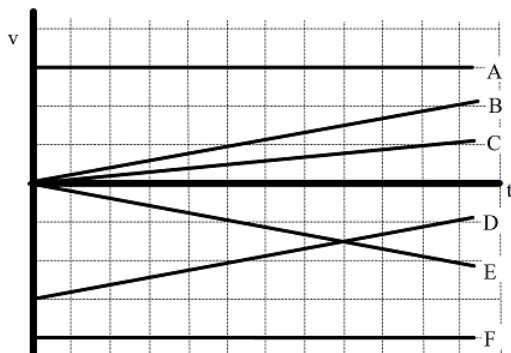


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Below are velocity vs. time graphs for six equal-mass objects. All of the objects move horizontally.



a. Rank these graphs on the basis of the total impulse on the object over the time interval indicated. Rank a positive total impulse as larger than a negative total impulse.

Largest 1. ____ 2. ____ 3. ____ 4. ____ 5. ____ 6. ____ Smallest

____ The ranking can not be determined based on the information provided.

Explain the reason for your ranking:

b. Rank these graphs on the basis of the total work on the object over the time interval indicated. Rank a positive total work as larger than a negative total work.

Largest 1. ____ 2. ____ 3. ____ 4. ____ 5. ____ 6. ____ Smallest

____ The ranking can not be determined based on the information provided.

Explain the reason for your ranking:

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