Fill in the other 3 using the Hint Given

Motion Graph Tutorial

Example

Description of Motion: in words

Move toward the detector at constant speed.
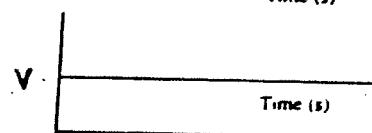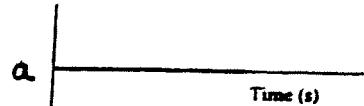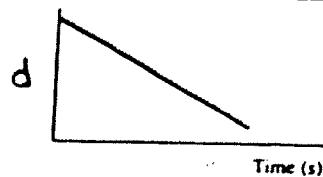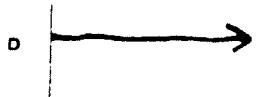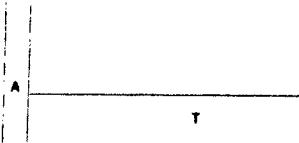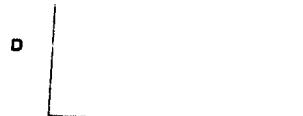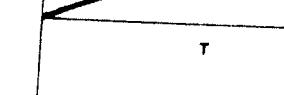
d [graph showing decreasing line] Time (s)

a [graph] Time (s)

v [graph] Time (s)

A Description in words:

D [graph with horizontal arrow]

A [graph] T

V [graph] T

D Description in words:

D [graph] T

A [graph] T

V [graph with upward diagonal arrow] T

B Description in words:

D [graph with upward diagonal arrow] T

A [graph] T

V [graph] T

E Description in words:

D [graph with curved downward arrow] T

A [graph] T

V [graph] T

C Description in words:

D [graph with upward diagonal arrow]

A [graph] T
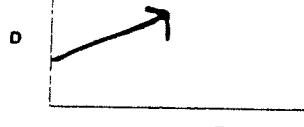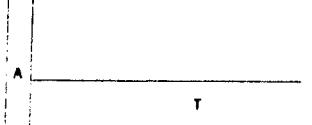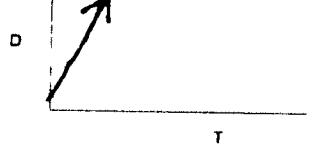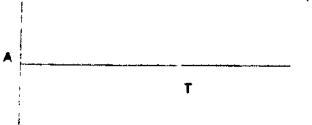
V [graph] T

F Description in words:

Move toward the detector with decreasing speed, then just as you have come to rest, move away from the detector with increasing speed

D [graph] T

A [graph] T

V [graph] T

G Description in words:
Initially move away from the dectector, maintain a constant negative acceleration.

D | T

A | T

V | T

H Description in words:

D | T

A | T

V | T

I Description in words:

D | T

A | T

V | T