

Point 2

(10,2)

Independent variable-Time

Position vs. time graph, so slope = speed (position/time)

Slope = rise/run =  $\Delta y / \Delta x$  =

 $\frac{(2-2)m}{(10-2)\sec} = \frac{0 m}{8 \sec} = 0 m/s$ 

(Pick any two points)

Linear graph.

Dependent variable-position

Position vs. Time

Point 1

(2,2)

2

4

6

8

variable

Time (sec) Independent

10

12

2.5

Dependent Position (m)

vāriable o

2

1.5

1

0.5

0



The slope (speed) of a flat line is zero—<u>no speed</u>. The object is at rest.



