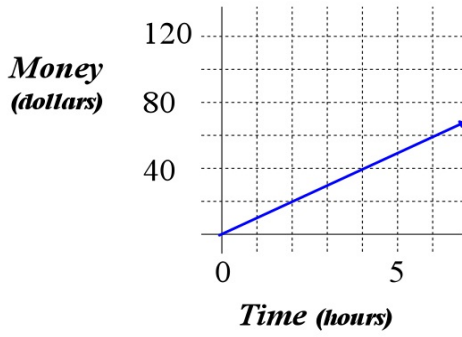


Name: _____

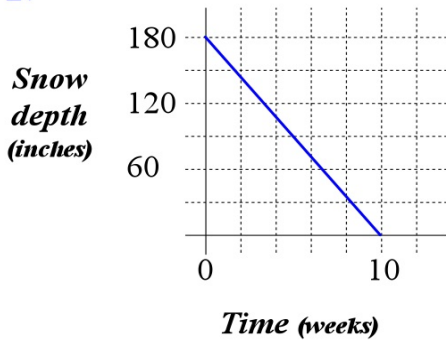
Period: _____

1. **Wages**



The graph represents Clifford's wages, what does the **slope** of the line represent?

2. **Snow Level**



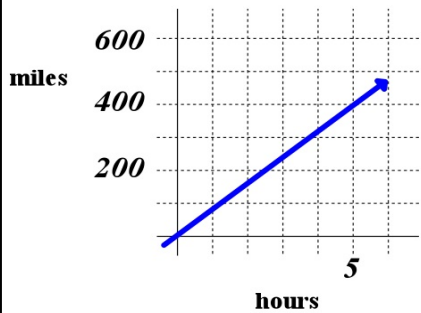
The graph represents snow level at Brighton Ski Resort, what does the **slope** of the line represent?

Create graphs representing rates of change

Example:

Speed:

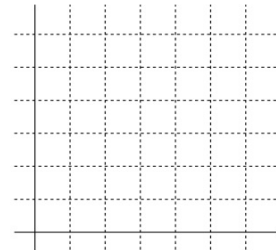
$$\frac{400 \text{ miles}}{5 \text{ hours}} = 80 \frac{\text{miles}}{\text{hour}}$$



Wages:

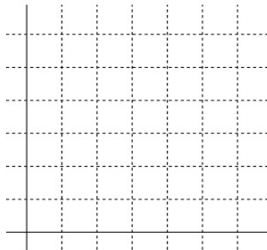


Gasoline usage in a car:

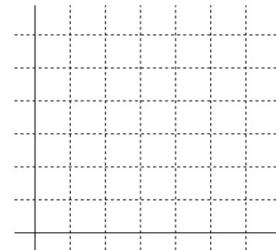


Create your own rates of change

_____ :



_____ :



Draw graphs for the following situations

Label the axes with the correct titles

- 1) Snow storm begins with a light snow fall. Later a blizzard dumps a lot of snow.

Graph *time* on the horizontal axis and *amount of snow* on the vertical axis.



- 2) Tigger is jumping on his tail.

Graph *time* on the horizontal axis and *distance off the ground* on the vertical axis.



- 3) Jack Black gets on a subway in New York City. There are 3 subway stops before he arrives at his destination.

a) Graph *time* on the horizontal axis and his *speed* on the vertical axis.



b) Graph *time* on the horizontal axis and the *distance* Timmy traveled on the vertical axis.



- 4) Megan ate popcorn at a movie. At the beginning of the movie she ate some of the popcorn. Megan stopped for awhile, then ate a lot of popcorn at the most exciting part.

a) Graph *time* on the horizontal axis and his *amount of popcorn in the bucket* on the vertical axis.



Create stories, then sketch the graphs for each situation

Label the axes with the correct titles

5) _____

Graph _____ on the horizontal axis and _____ on the vertical axis.



6) _____

Graph _____ on the horizontal axis and _____ on the vertical axis.

