

Class Name : **8B - B**

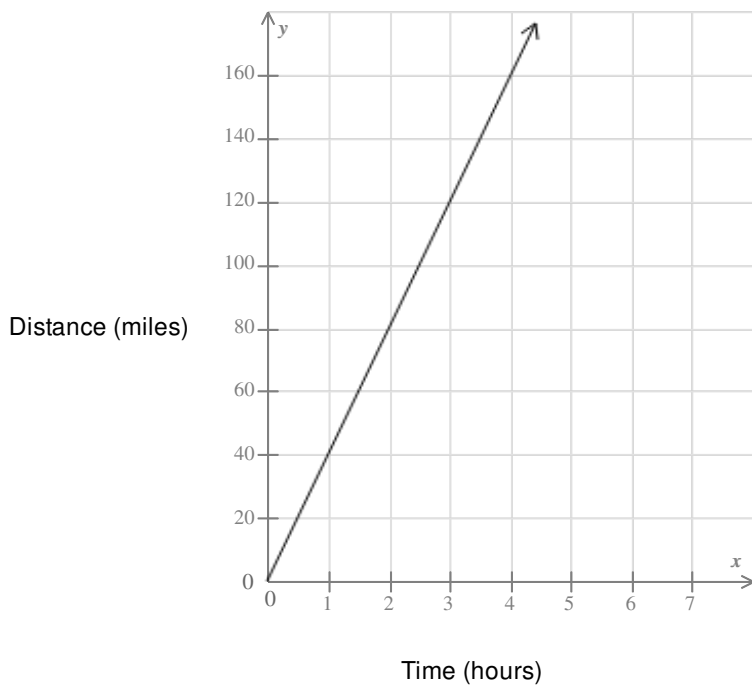
Instructor Name : **Ms. Ryan**

Student Name : _____

Instructor Note :

1. After crossing a bridge, Felipe drives at a constant speed. The graph below shows the distance (in miles) versus the time since he crossed the bridge (in hours).

Use the graph to answer the questions.



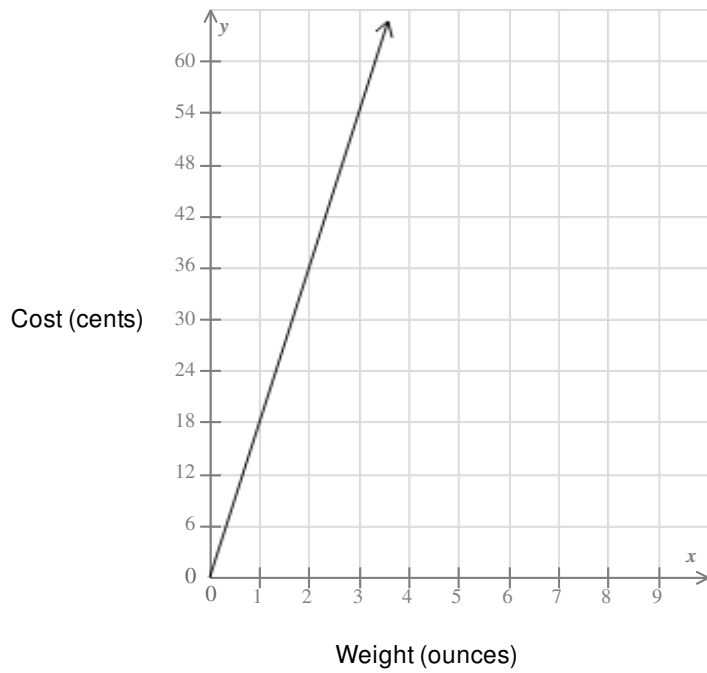
(a) How much does the distance increase for each hour since Felipe crossed the bridge?

_____ miles

(b) What is the slope of the line?

2. Ryan buys cheese from the local farmer's market. The graph below shows the cheese cost (in cents) versus its weight (in ounces).

Use the graph to answer the questions.



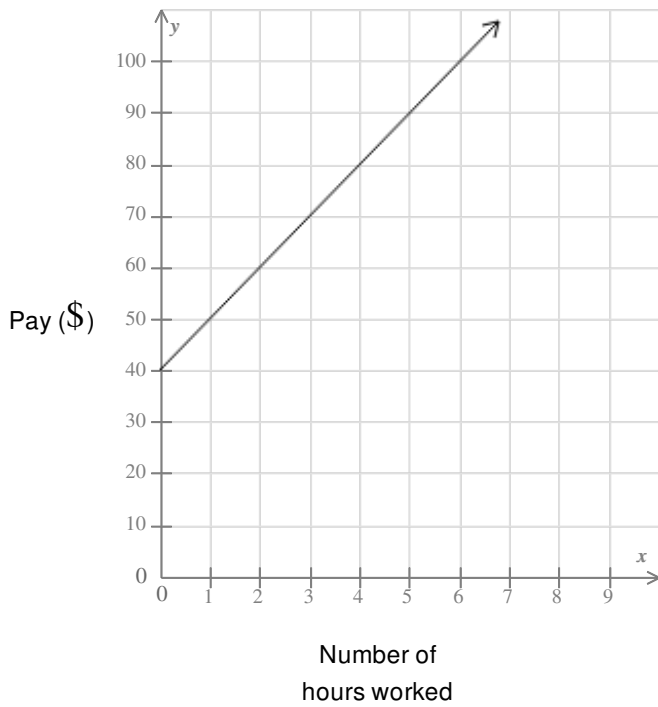
(a) How much does the cost of the cheese increase for each ounce Ryan buys?

_____ cents

(b) What is the slope of the line?

3. Lucy makes house calls. For each, she is paid a base amount and makes additional money for each hour she works. The graph below shows her pay (in dollars) versus the number of hours worked.

Use the graph to answer the questions.

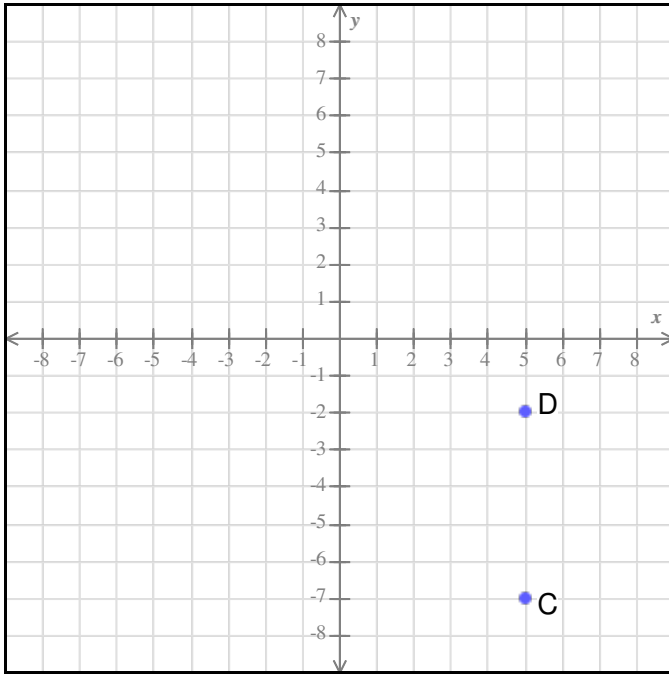


(a) What is the slope of the line?

(b) How much does her pay increase for each hour worked?

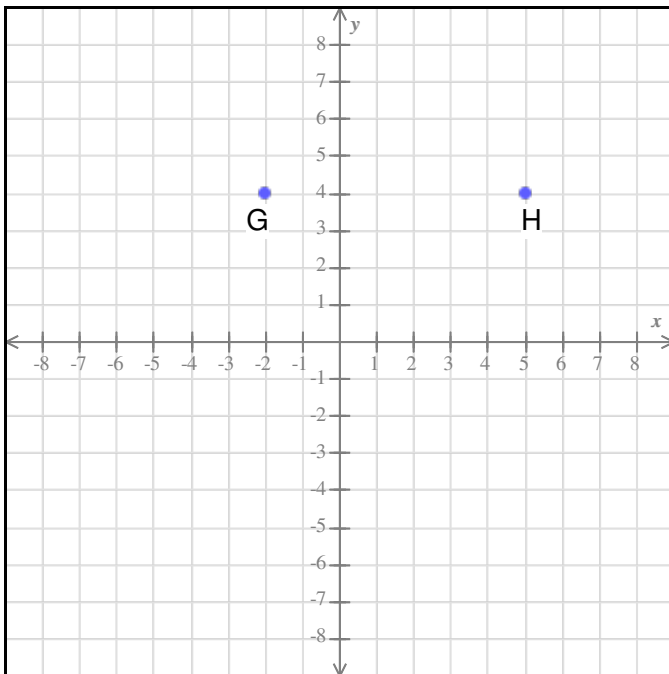
\$ _____

4. Find the distance between point C and point D .



Distance: _____

5. Find the distance between point G and point H .



Distance: _____

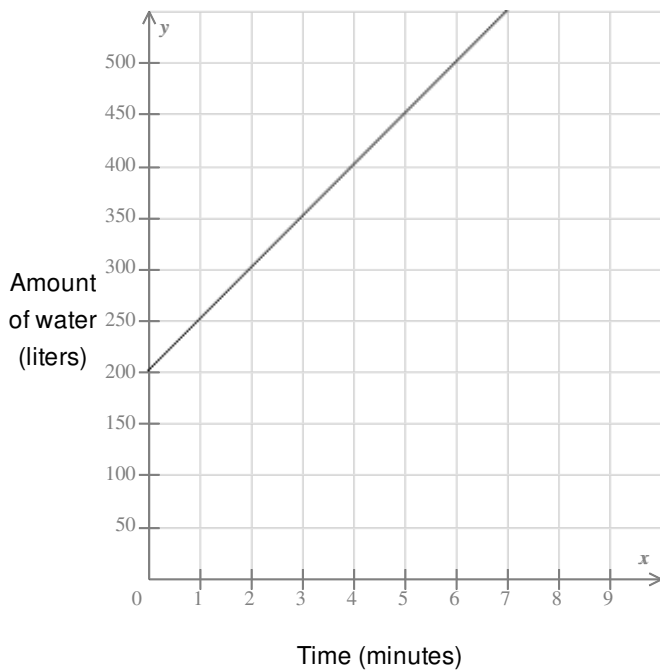
6. Find the distance between the points $(4, 7)$ and $(-6, 7)$.

Distance: _____

7. Find the distance between the points $(-7, -3)$ and $(-7, 5)$.

Distance: _____

8. Tony is filling a tank. The graph shows the amount of water (in liters) in the tank versus time (in minutes).



(a) Choose the statement that best describes how the time and amount of water are related. Then fill in the blank.

- As time increases, the amount of water in the tank decreases.

At what rate is the amount of water decreasing?

_____ liters per minute

- As time increases, the amount of water in the tank increases.

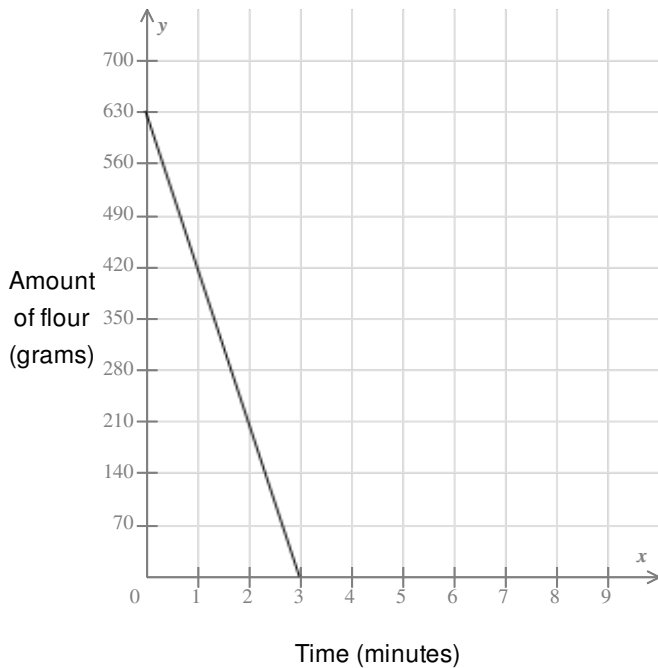
At what rate is the amount of water increasing?

_____ liters per minute

(b) What is the amount of water in the tank at 0 minutes?

_____ liters

9. A machine at a bakery is pouring out flour. The graph shows the amount of flour (in grams) in the machine versus time (in minutes).



(a) At what time does the flour in the machine reach 0 grams?

_____ minutes

(b) Choose the statement that best describes how the time and amount of flour are related. Then fill in the blank.

- As time increases, the amount of flour in the machine decreases.

At what rate is the amount of flour decreasing?

_____ grams per minute

- As time increases, the amount of flour in the machine increases.

At what rate is the amount of flour increasing?

_____ grams per minute