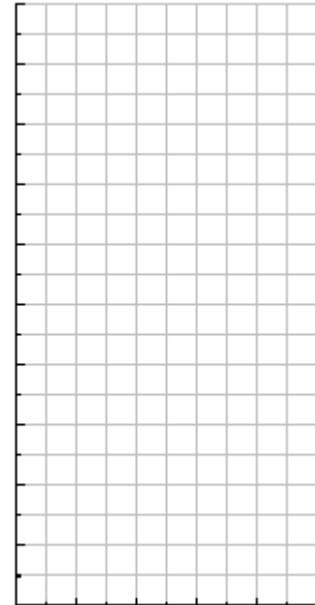


Routine Patterns and Graphs Practice #3

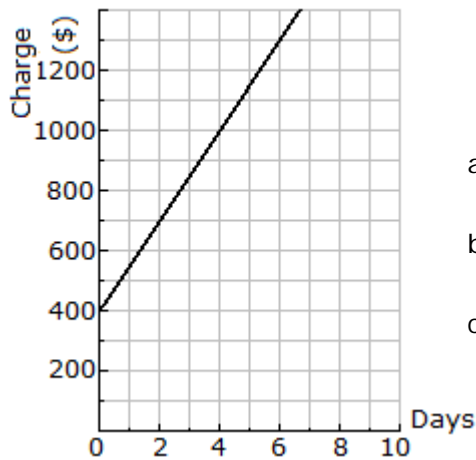
1. A house painter charges \$300 plus \$175 for each day's work.

Complete the table below and graph the result to the right.

Days	1	2	3	4	...	8
Cost (\$)						



2. Below is the graph of another painter's charges.



a) How much do you get for \$1000?

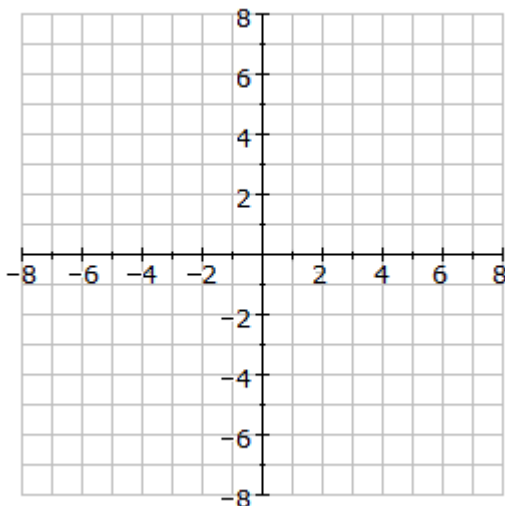
b) What is the daily charge?

c) Write an equation for the charge rate:

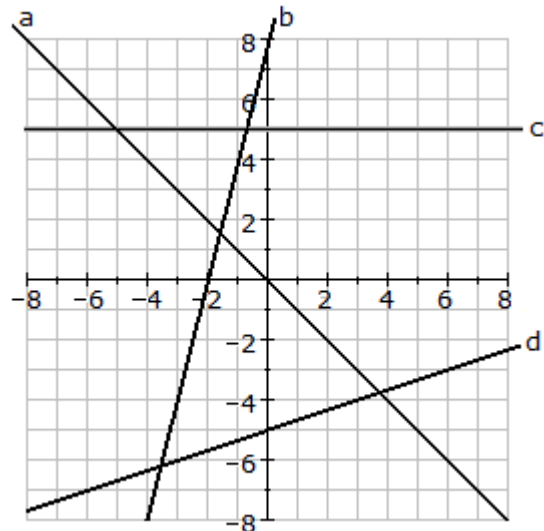
.....

3. Draw the lines on the grid below:

- a) $y = x + 6$
- b) $y = \frac{1}{4}x + 2$
- c) $y = 0$
- d) $y = -4x - 2$



4. Write the equations for these lines:



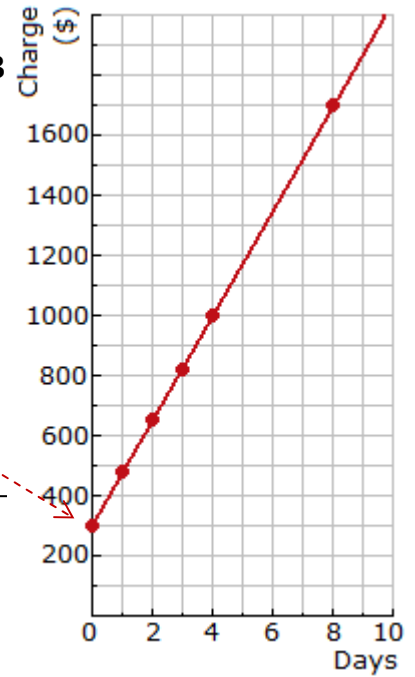
- a)
- b)
- c)
- d)

Answers: Routine Patterns and Graphs Practice #3

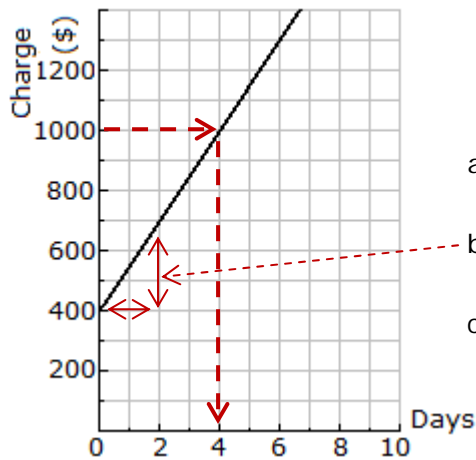
1. A house painter charges \$300 plus \$175 for each day's work.

Complete the table below and graph the result to the right.

Days	1	2	3	4	...	8
Cost (\$)	475	650	825	1000		1700



2. Below is the graph of another painter's charges.



a) How much do you get for \$1000? **4 days work**

b) What is the daily charge? **$\$300 \div 2 \text{ days} = \150 a day**

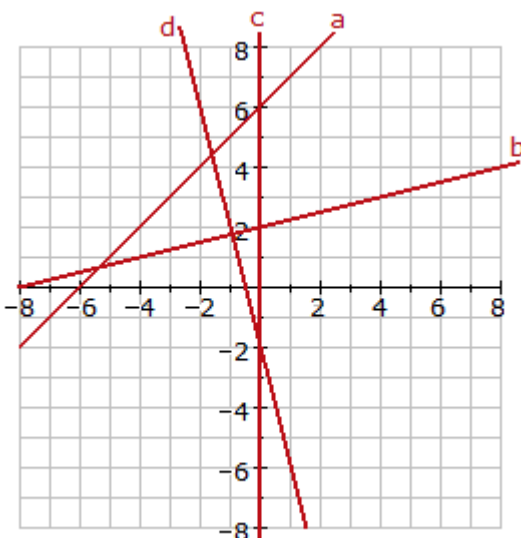
c) Write an equation for the charge rate:

$$\text{charge} = \$300 + \$150 \times \text{days}$$

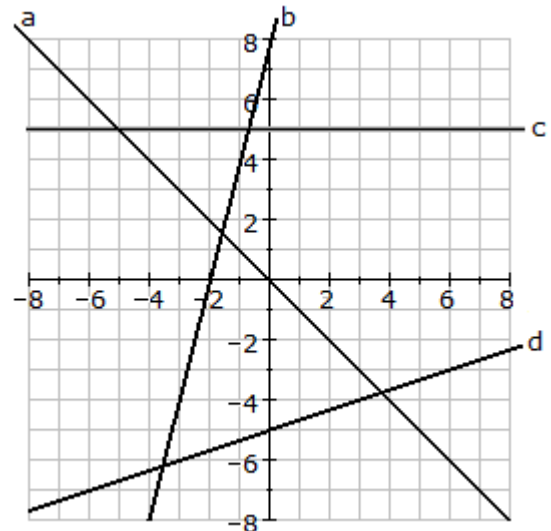
$$\$ = 150D + 300$$

3. Draw the lines on the grid below:

- $y = x + 6$
- $y = \frac{1}{4}x + 2$
- $x = 0$
- $y = -4x - 2$



4. Write the equations for these lines:



- $y = -x$
- $y = 4x + 8$
- $y = 5$
- $y = \frac{1}{3}x - 5$