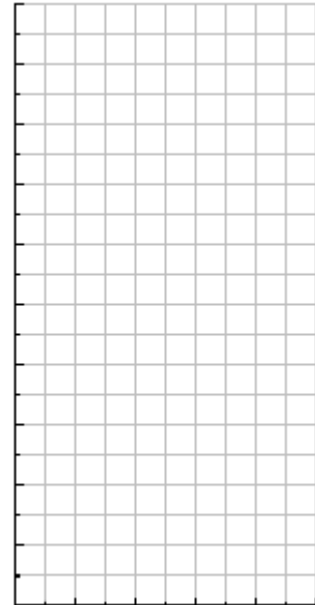


Routine Patterns and Graphs Practice #3

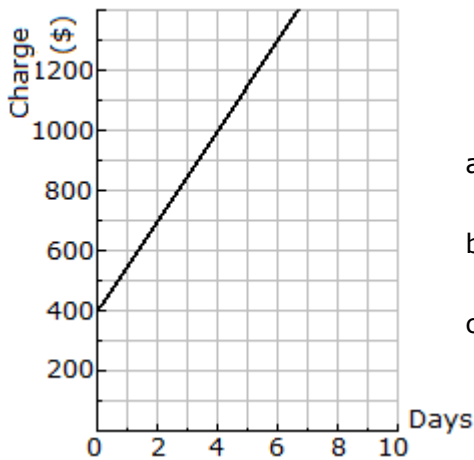
1. A house painter charges \$300 plus \$175 for each day's work.

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:

.....

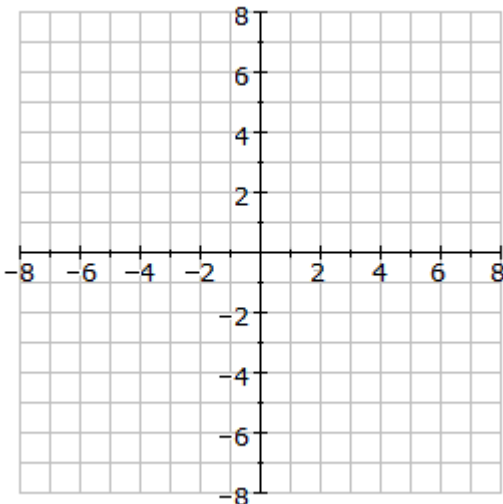
3. Draw the lines on the grid below:

a) $y = x + 6$

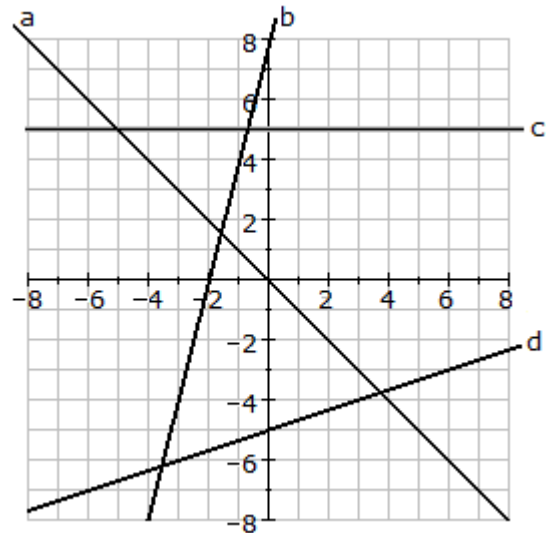
b) $y = \frac{1}{4}x + 2$

c) $y = 0$

d) $y = -4x - 2$



4. Write the equations for these lines:



a)

b)

c)

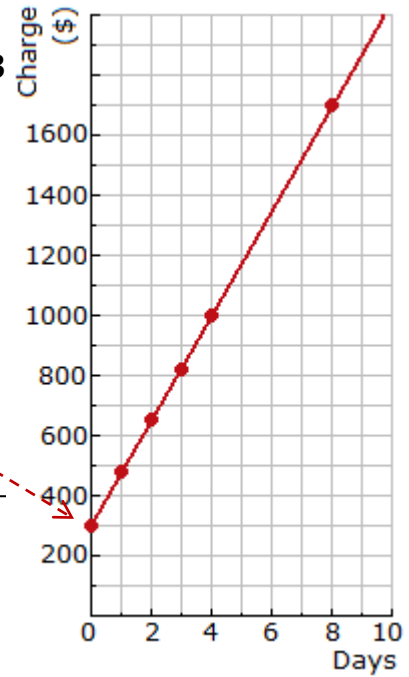
d)

Answers: Routine Patterns and Graphs Practice #3

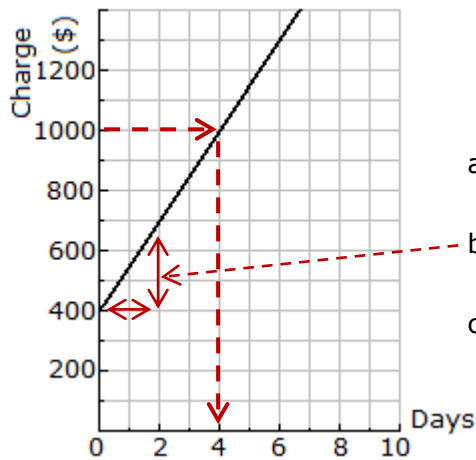
1. A house painter charges \$300 plus \$175 for each day's work.

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:

$$\text{charge} = \$400 + \$150 \times \text{days}$$

$$\$ = 150D + 400$$

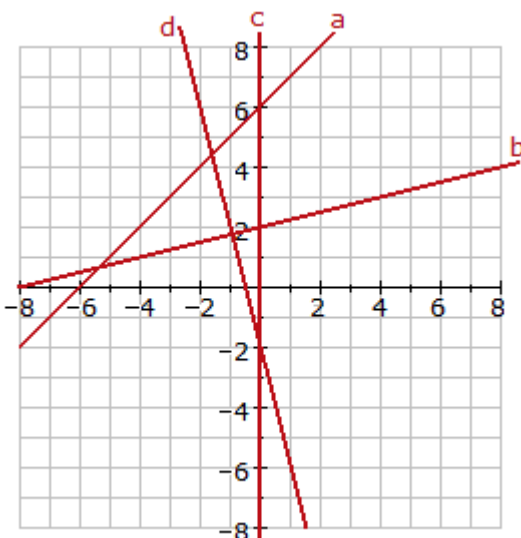
3. Draw the lines on the grid below:

a) $y = x + 6$

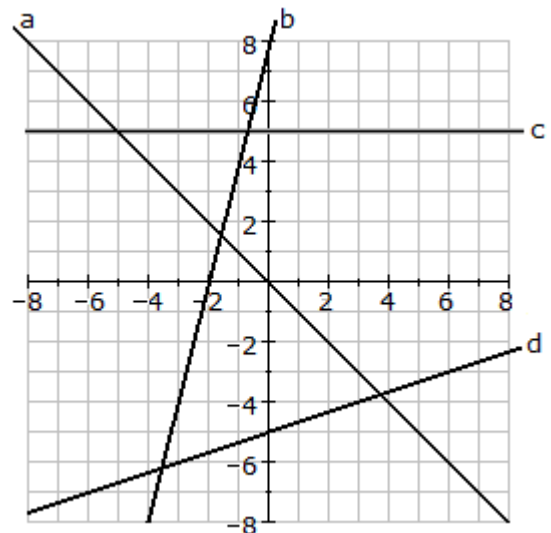
b) $y = \frac{1}{4}x + 2$

c) $x = 0$

d) $y = -4x - 2$



4. Write the equations for these lines:



a) $y = -x$ (or $-1x$)

b) $y = 4x + 8$

c) $y = 5$

d) $y = \frac{1}{3}x - 5$