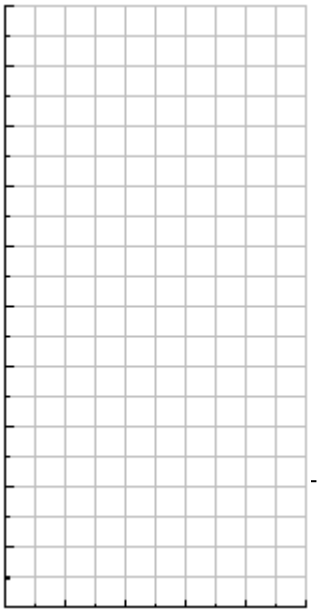
Routine Patterns and Graphs Practice #3

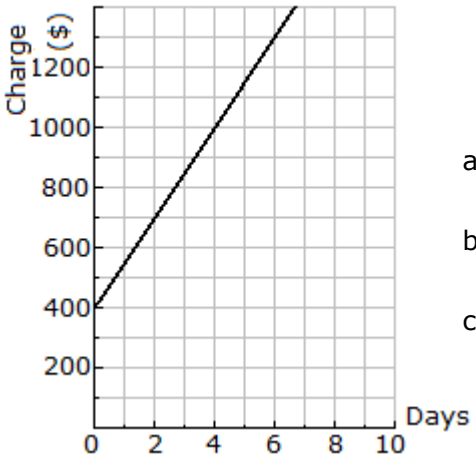


1. A house painter charges $300 plus $175 for each day's work.

   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:

……

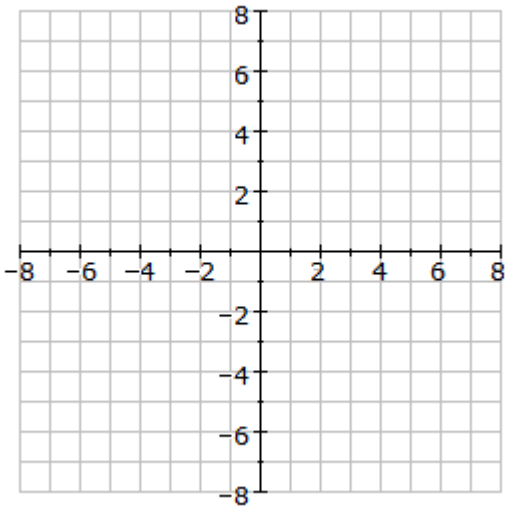
3. Draw the lines on the grid below:

   a) $y = x + 6$

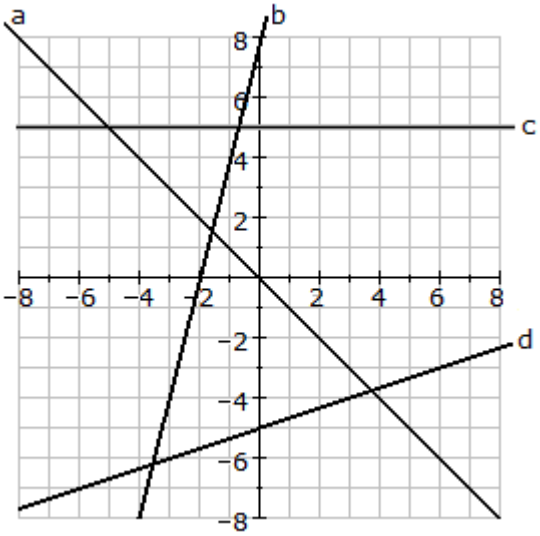
   b) $y = ¼x + 2$

   c) $y = 0$

   d) $y = -4x - 2$



4. Write the equations for these lines:



a) ……

b) ……

c) ……

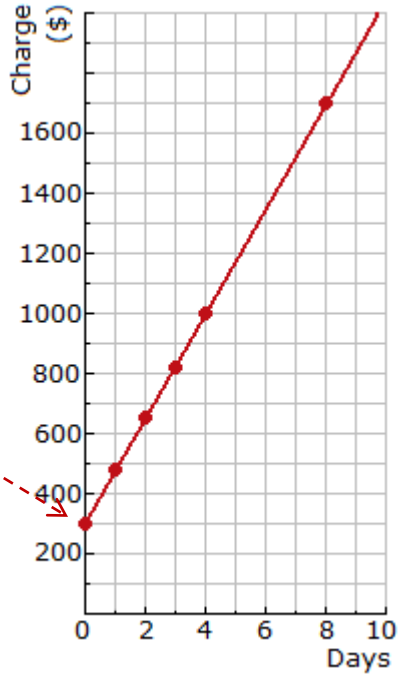
d) ……

Answers: Routine Patterns and Graphs Practice #3

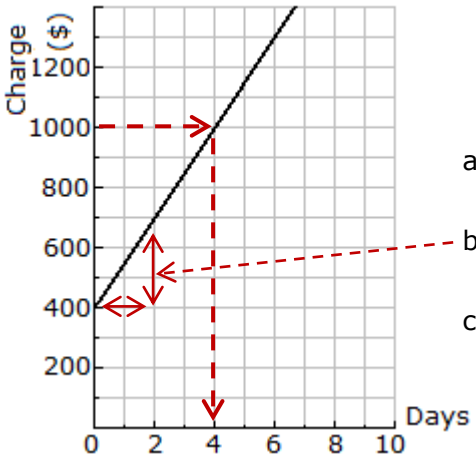
1. A house painter charges $300 plus $175 for each day's work.

   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 ÷ 2 days = **$150 a day**

c) Write an equation for the charge rate:

charge = $400 + $150 × days

$ = 150D + 400

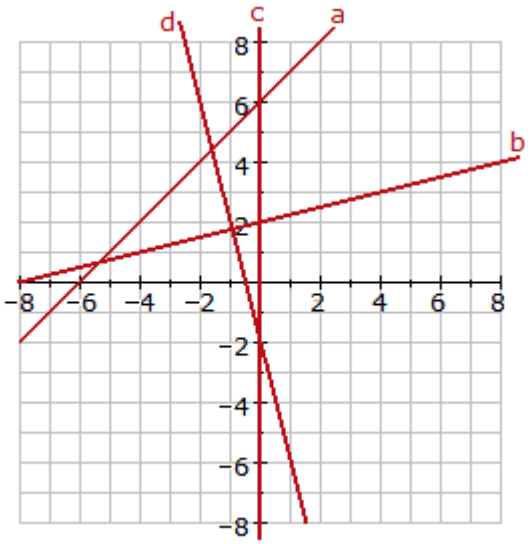
3. Draw the lines on the grid below:

   a) $y = x + 6$

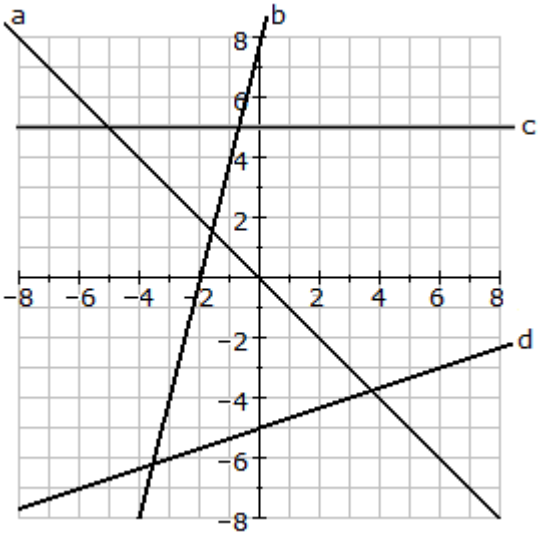
   b) $y = \frac{1}{4}x + 2$

   c) $x = 0$

   d) $y = -4x - 2$



4. Write the equations for these lines:



a) **$y = -x$**

b) **$y = 4x + 8$**

c) **$y = 5$**

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