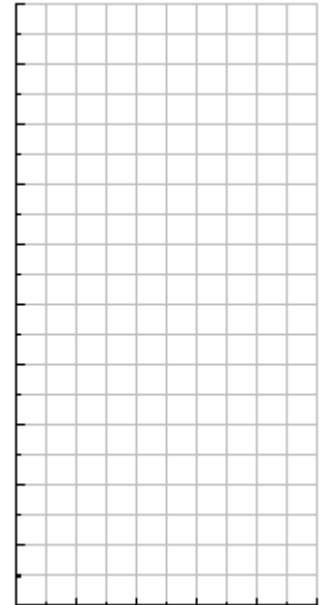


Routine Patterns and Graphs Practice #1

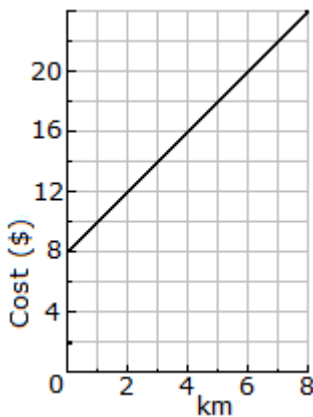
1. A taxi company charges \$4 to pick up and \$1.50 for each km.

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

km	1	2	3	4	8	10
Cost (\$)						



2. Below is the graph of another taxi company's charges.

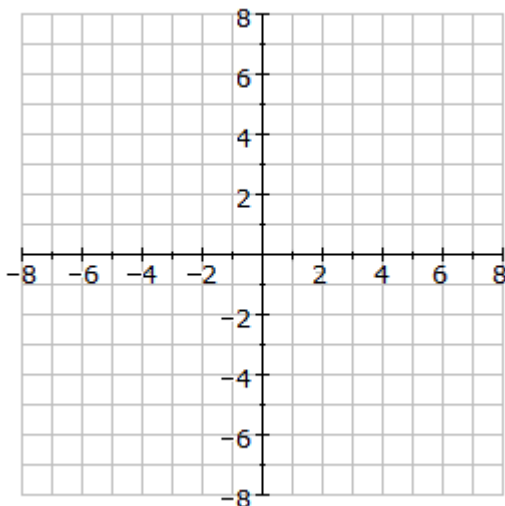


- a) What is their pick-up charge?
- b) What is their per-kilometre charge?
- c) Write an equation for this company's charges:

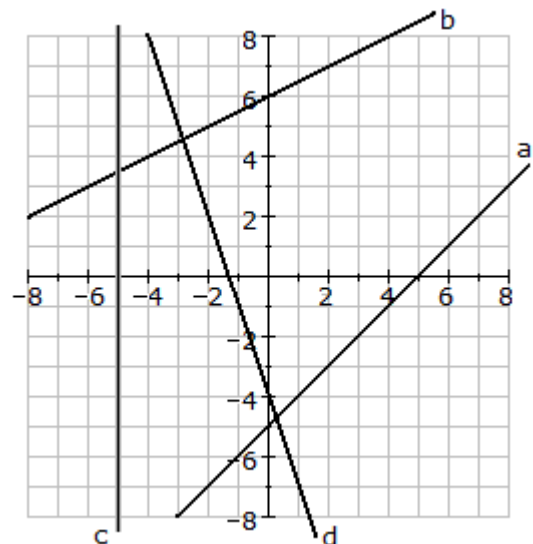
.....

3. Draw the lines on the grid below:

- a) $y = 3x$
- b) $y = -\frac{1}{2}x + 4$
- c) $y = 7$
- d) $y = \frac{1}{4}x - 2$



4. Write the equations for these lines:



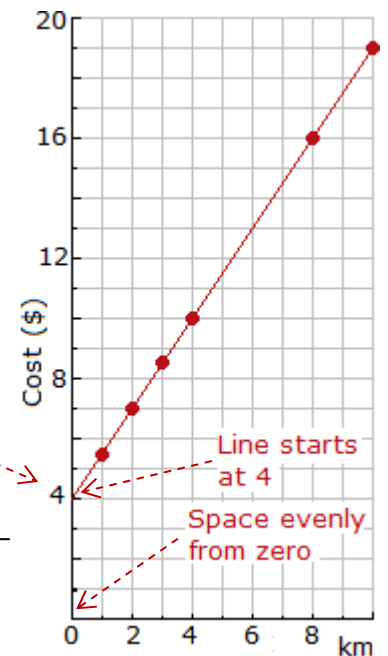
- a)
- b)
- c)
- d)

Answers: Routine Patterns and Graphs Practice #1

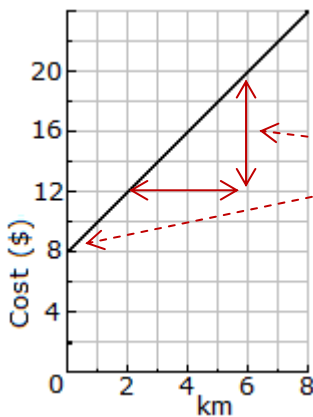
1. A taxi company charges \$4 to pick up and \$1.50 for each km.

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

km	1	2	3	4	8	10
Cost (\$)	5.50	7	8.50	10	16	19



2. Below is the graph of another taxi company's charges.



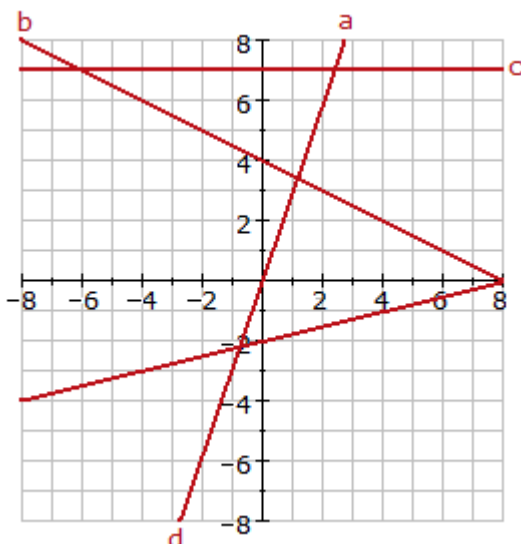
- a) What is their pick-up charge? **\$8**
 b) What is their per-kilometre charge? **$\$8 \div 4\text{km} = \$2/\text{km}$**
 c) Write an equation for this company's charges:

$$\text{charge} = 2 \times \text{km} + 8$$

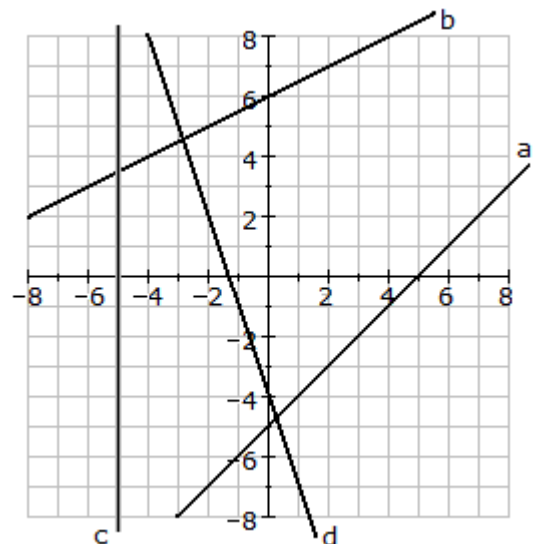
$$(\$ = 2k + 8)$$

3. Draw the lines on the grid below:

- a) $y = 3x$
 b) $y = -\frac{1}{2}x + 4$
 c) $y = 7$
 d) $y = \frac{1}{4}x - 2$



4. Write the equations for these lines:



- a) $y = x - 5$
 b) $y = \frac{1}{2}x + 6$
 c) $x = -5$
 d) $y = -3x - 4$