

Name: \_\_\_\_\_

## MODULE 2- TOPIC 1- LESSON 1 REVIEW WORKSHEET

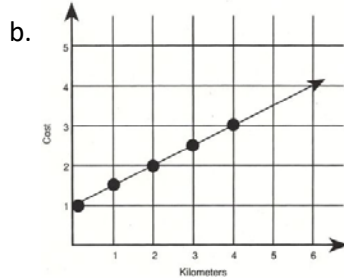
1. Answer the questions that follow each relationship.

a.  $y = \frac{7}{8}x$

Proportional? \_\_\_\_\_

Why or why not?

Constant of Proportionality (k)? \_\_\_\_\_



Proportional? \_\_\_\_\_

Why or why not?

Constant of Proportionality (k)? \_\_\_\_\_

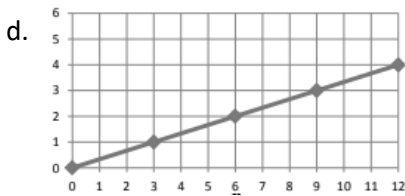
c. 

X	Y
1	4
2	8
3	9

Proportional? \_\_\_\_\_

Why or why not?

Constant of Proportionality (k)? \_\_\_\_\_



Proportional? \_\_\_\_\_

Why or why not?

Constant of Proportionality (k)? \_\_\_\_\_

e.  $y = 3x + 6$

Proportional? \_\_\_\_\_

Why or why not?

Constant of Proportionality (k)? \_\_\_\_\_

f. 

X	Y
4	6
6	9
10	15

Proportional? \_\_\_\_\_

Why or why not?

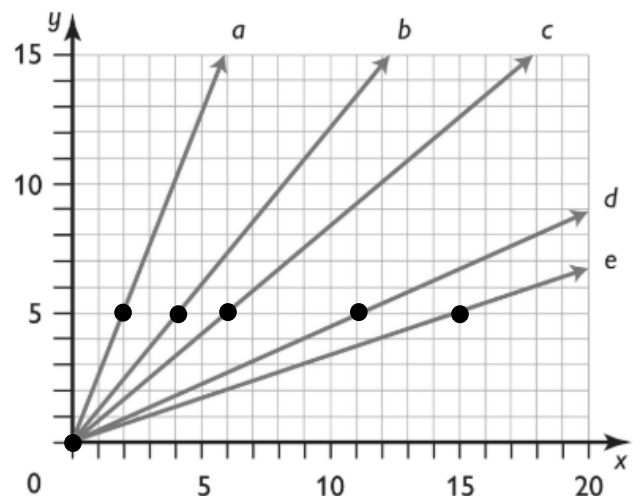
Constant of Proportionality (k)? \_\_\_\_\_

2. Identify the constant of proportionality for each of the given lines.

a: \_\_\_\_\_      b: \_\_\_\_\_      c: \_\_\_\_\_

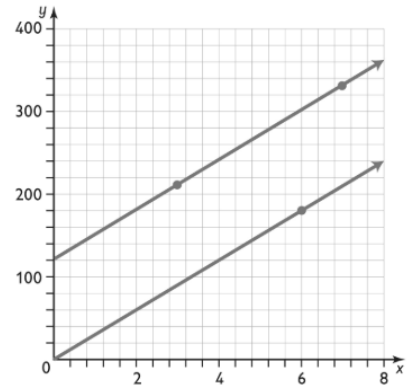
d: \_\_\_\_\_      e: \_\_\_\_\_

Which line has the greatest constant of proportionality? How do you know?

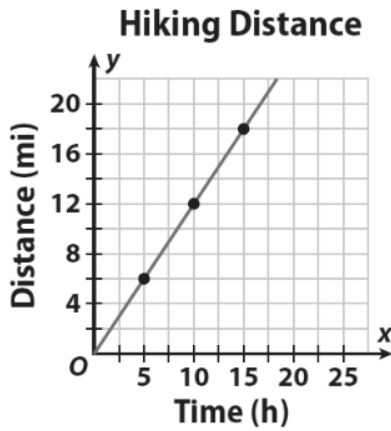


3.

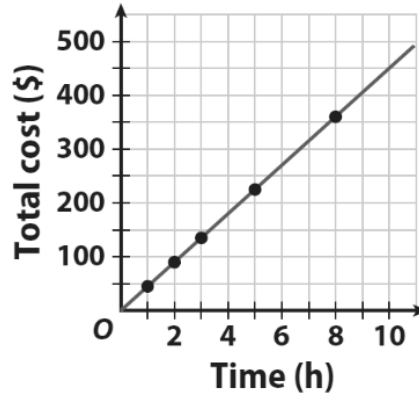
	TOP LINE	BOTTOM LINE
Linear or Non-Linear		
Proportional or Non-Proportional		



4. What is the rate of change of the provided graph?



5. Write the equation that represents the line below.



$y =$  \_\_\_\_\_

6. True or False?

- a. A linear relationship is ALWAYS proportional. \_\_\_\_\_
- b. A linear relationship is ALWAYS non-proportional. \_\_\_\_\_
- c. A proportional relationship contains the point (0, 0). \_\_\_\_\_
- d. A non-proportional relationship has a constant rate of change. \_\_\_\_\_
- e. A proportional relationship is ALWAYS linear. \_\_\_\_\_

7. Which line would have the greatest rate of change?

- a.  $y = 5x$
- b.  $y = 7x$
- c.  $y = \frac{3}{4}x$
- d.  $y = 2.1x$