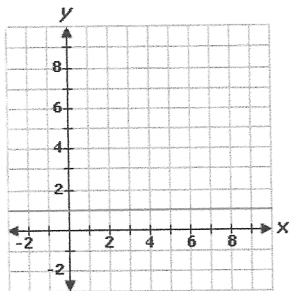


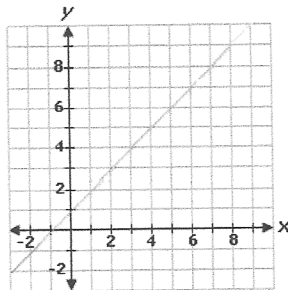
Name _____ Date _____

Lesson 11 homework

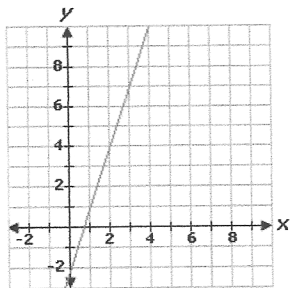
1. Which of the following represents a proportional relationship?



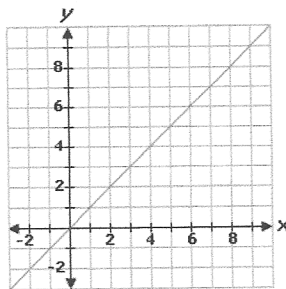
W.



X.



Y.



Z.

How do you know if a graph represents a proportional relationship?

2. Which of the following tables represents a proportional relationship?

x	4	8	12	16
y	12	24	36	48

x	4	5	6	7
y	8	12	16	24

x	4	7	8	9
y	12	16	20	24

x	4	7	10	16
y	12	24	36	48

How do you know if a table represents a proportional relationship?

3. Does the table below represent a proportional relationship?

x	2	3	4	5
y	6	7	8	9

- A. Yes, because all the ratios of y to x are equal to 3.
- B. No, because all the numbers are positive.
- C. No, because all the ratios of y to x are not equal.
- D. Yes, because all the ratios of y to x are equal to 2

3. Does the table below represent a proportional relationship?

x	1	2	3	4
y	-4	-8	-12	-16

- A. Yes, because all the ratios of y to x are equal to -2.
- B. No, because the table has negative numbers.
- C. Yes, because all the ratios of y to x are equal to -4.

D. No, because the ratios of y to x are not equal.

5. Circle the equations that show a proportional relationship?

a) $y = 2x - 1$

b) $y = x$

c) $y = \frac{2}{3}x$

How do you know if an equation represents a proportional relationship?

6. Graph the ordered pairs from the table.

x	y
1	2
3	6
5	10
7	14
9	18

Does the graph show a proportional relationship between the x and y values?

