

Name: _____ Period: _____

Week 17 Homework Packet – 7th Grade Math

ASSIGNMENT DUE TUESDAY, DECEMBER 6, 2016

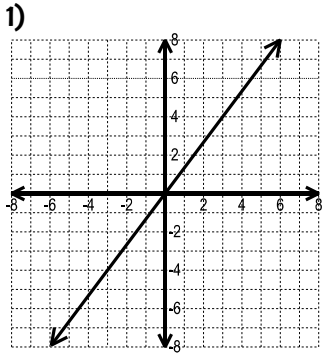
Unit 2, Chapter 1 – Ratios and Proportional Reasoning

Score
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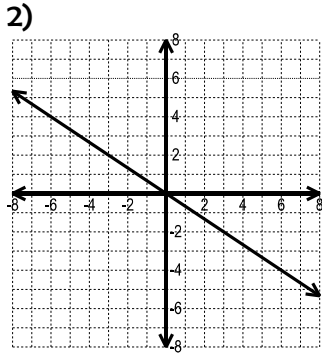
Week Score
/12

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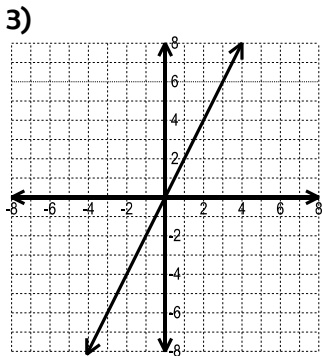
For each graph below, find the slope.



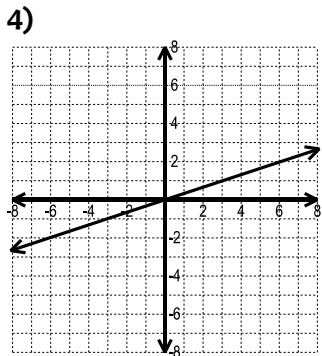
Slope: _____



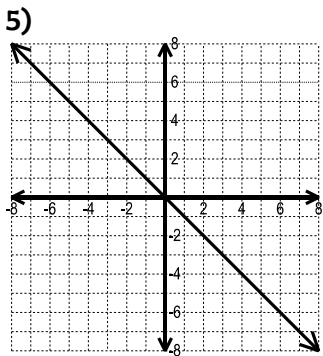
Slope: _____



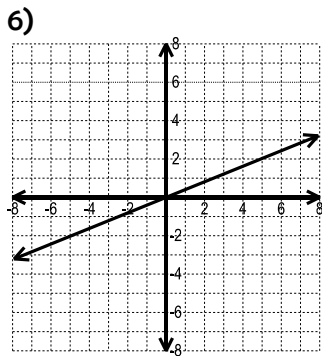
Slope: _____



Slope: _____



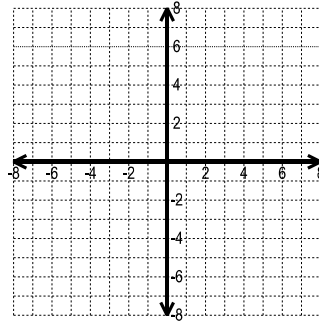
Slope: _____



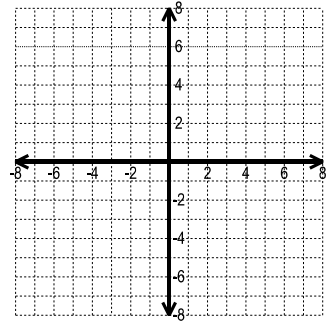
Slope: _____

In each grid below, make a graph of a proportional relationship with the slope indicated.

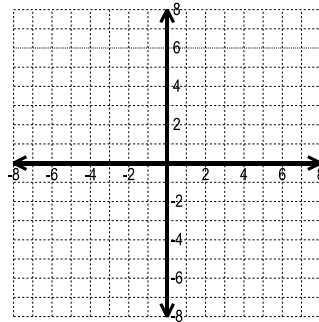
7) Slope = $-\frac{2}{5}$



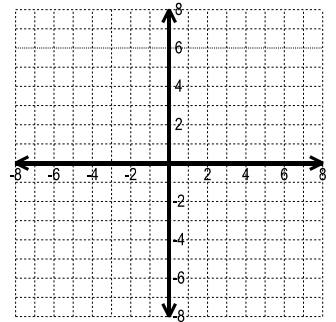
8) Slope = $\frac{1}{4}$



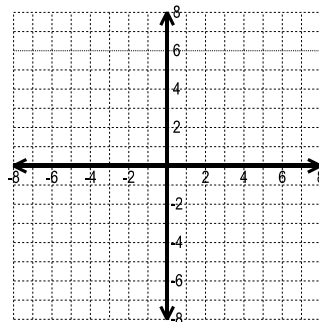
9) Slope = $-\frac{3}{5}$



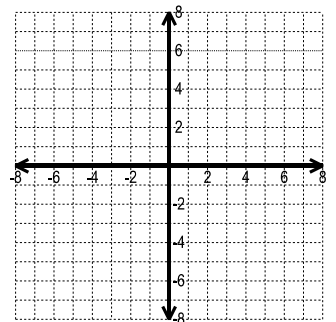
10) Slope = 3



11) Slope = 1



12) Slope = -2



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7th Grade Math

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ASSIGNMENT DUE WED/THU. DECEMBER 7/8. 2016

Unit 2, Chapter 1 – Ratios and Proportional Reasoning

For each problem on this page, show all work.
You will need a calculator.

1) Carol spends 17 hours in a 2-week period practicing her culinary skills. How many hours does she practice in 5 weeks?

2) In a shipment of 400 parts, 14 are found to be defective. How many defective parts should be expected in a shipment of 1000?

3) To determine the number of deer in a forest, a forest ranger tags 280 and releases them back into the forest. Later, 405 deer are caught, out of which 45 of them are tagged. Estimate how many deer are in the forest.

4) In the year 2000, there were 8.7 deaths per 1000 residents in the United States. If there were 281,421,906 residents in the U.S. during 2000, how many people died that year? (Round to the nearest whole number)

5) Ming was planning a trip to Western Samoa. Before going, she did some research and learned that the exchange rate is 6 Tala for \$2. How many Tala would she get if she exchanged \$6?

6) If you can buy four bulbs of elephant garlic for \$8 then how many can you buy with \$32?

7) Asanji took a trip to Mexico. Upon leaving he decided to convert all of his Pesos back into dollars. How many dollars (rounded to the nearest penny) did he receive if he exchanged 42.7 Pesos at a rate of \$5.30 = 11.1 Pesos?

8) Mary reduced the size of a painting to a width of 3.3 in. What is the new height if it was originally 32.5 in tall and 42.9 in wide? (Round to one decimal place.)

ASSIGNMENT DUE FRIDAY, DECEMBER 9, 2016

Unit 2, Chapter 1 – Ratios and Proportional Reasoning

For each table below, determine the constant rate of change.

1)

x	y
2	10
3	15
5	25
7	35
8	40

2)

x	y
6	15
10	25
12	30
16	40
18	45

3)

x	y
3	0
6	2
12	6
15	8
21	12

4)

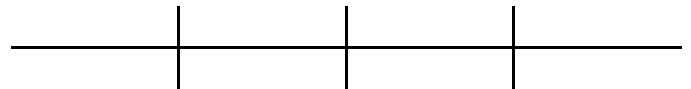
x	y
-3	9
-2	6
4	-12
5	-15
8	-24

5)

x	y
5	7
15	13
20	16
30	22
50	34

Skills Review

- 6) What is 45.677 rounded to one decimal place?
- 7) What is 509.32 rounded to the nearest whole number?
- 8) What is \$23.614 rounded to the nearest penny?
- 9) What is 30.6779 rounded to three decimal places?
- 10) If there are 3.28 feet in one meter and 1852 meters in one nautical mile, how many feet are in 10 nautical miles? Use dimensional analysis to solve. You will need a calculator.



Simplify the following complex fractions:

11) $\frac{\frac{2}{3}}{8}$

12) $\frac{\frac{5}{6}}{\frac{1}{2}}$