Name: _____ Period: _____ Due: _____

Score: ___ / ___

Percent:_____ = ____
10

PROPORTIONALITY

ASSIGNMENT 5-3
GRAPH ME SOME POINTS

SYW: NO WORK = NO CREDIT
WORK IN PENCIL ONLY!

1. Which of the tables below shows a proportional relationship between x and y? How can you tell?

Table 1

x	y
1	2
2	4
3	6
4	8

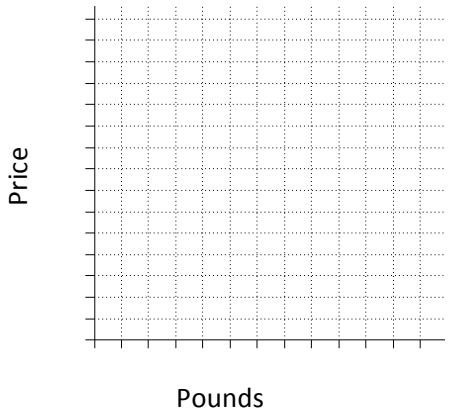
Table 2

x	y
1	2
2	3
3	4
4	5

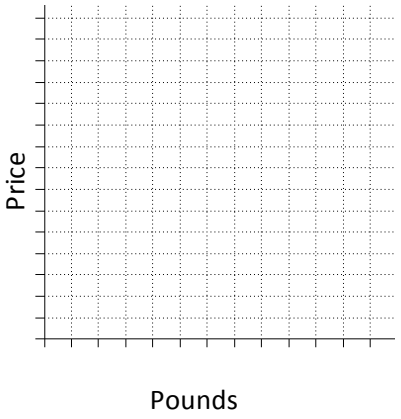
_____
_____
_____
_____

2. Kacie loves cheese and buys it whenever she can. Recently, she bought 4 pounds of mozzarella cheese for $12 and 3 pounds of Havarti for $7.50. Use the tables and graphs below to answer parts a-f.

Mozzarella	
Pounds	Price
2	
4	$12
6	
8	



Havarti	
Pounds	Price
1	
3	$7.50
5	
7	



a. Complete the tables above.
b. Graph your data. (Remember to label your axes.)
c. Should the points on each graph be connected? If so, why does that make sense? If not, why not?
_____

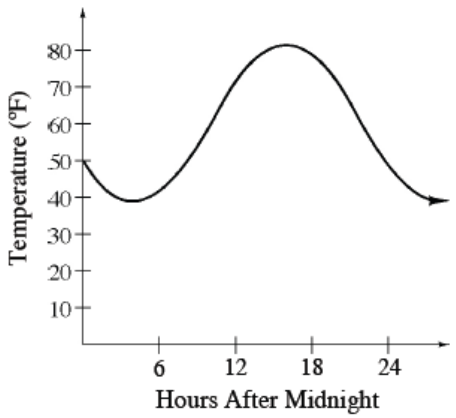
d. Which cheese is more expensive? Convince me.

e. What does the point (1, y) tell us? _____
_____

f. Is the relationship between the price of cheese and it's cost proportional? Yes / No
How can you tell from the table?_____
How can you tell from the graph?_____

3. The following graphs show examples of relationships that are not proportional. Explain why each graph is not a proportional relationship.

a.



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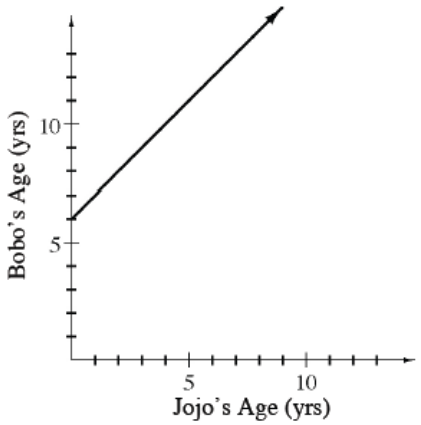
_____

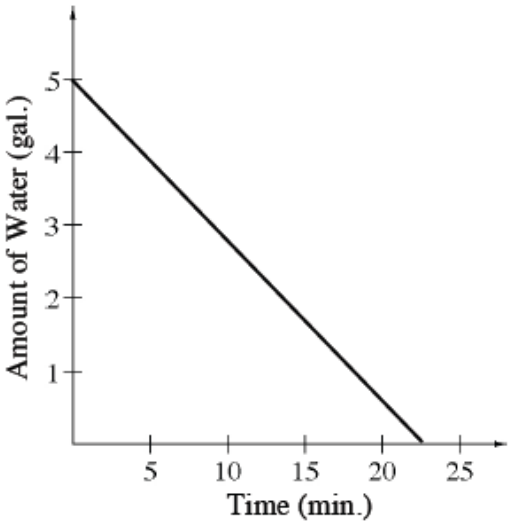
b.



_____

_____

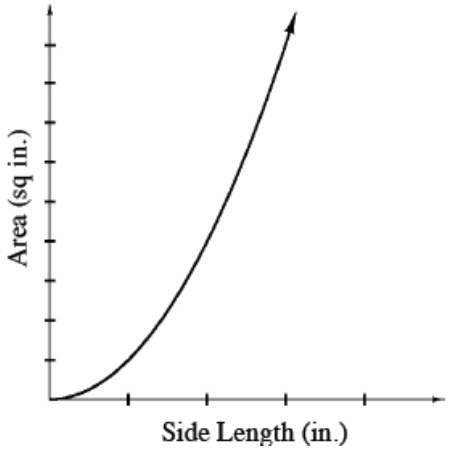
c.



_____

_____

d.



_____

_____

Review:

4. Convert the decimal **0.4** to a simplified fraction._____
5. Combine like terms. $9b + 5 - 7b - 4$ =_____
6. You hear about two great sales on candy bars? Which store has the better deal on candy bars? Why?

Macey's	**Smith's**
Sale!!!	**Sale!!!**
$4.50 for 5 Candy Bars	**$6.00 for 8 Candy Bars**