7.4 Solving Equations In two variables

NAME _____

Date _____ Period _____

Tell whether the ordered pair is a solution of the equation.

1. $y = 2x$; (0, 2)

2. $y = 6x$; (2, 12)

3. $y = 2x + 3$; (3, 9)

4. $y = x + 4$; (1, 3)

Identify the independent and dependent variables.

5. The equation $p = 8.65h$ gives the amount p (in dollars) of pay a clerk receives for working h hours.

Independent:

Dependent:

6. The equation $P = 4s$ gives the perimeter P (in inches) of a square mouse pad with a side length of s inches.

Independent:

Dependent:

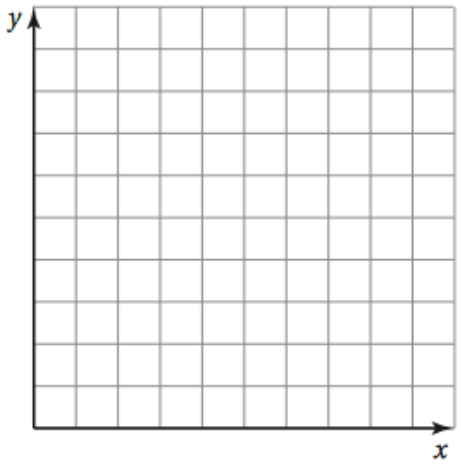
7. The equation $c = 42t + 42$ gives the total cost c (in dollars) of a grocery bill with a sales tax of t percent (in decimal form).

Independent:

Dependent:

8. Avocados cost $3 per pound. Write and graph an equation in two variables that represents the cost of buying avocados.

X	Equation: _____	Y
1		
1.5		
2		
2.5		
3		



9. Use the information found in problem 8 above to answer the following questions:

a. What does the ordered pair, (5, 15) *mean*?

b. What does the ordered pair (0, 0) *mean?*

c. What would the value of y be in the ordered pair (16, y)?

d. What would the value of x be in the ordered pair (x, 27)?