FMP 10 LG 10A (Formative Assessment)

Marking Teacher: _____ **Name: _____**

Student #: _____

1. Given the relation described by the following points, answer the following questions:
(5, 4), (6, 5), (7, 6), (8, 7)

a. Write the description of the relation in words.

b. Draw an arrow diagram representing this relation.

2. Given the relation: (2, 1), (5, 1), (8, 2), (9, 0)

a. Is the relation a function?

b. Give the domain of this relation.

c. Give the range of this relation.

3. The equation C(n) = 300 + 25n represents the cost **C**, in dollars, of renting a bus to transport **n** students.

a. Identify the dependent variable.

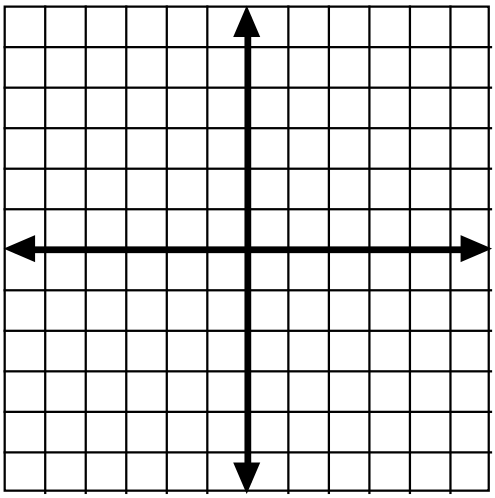
b. Identify the independent variable.

c. Find the value of C(50).

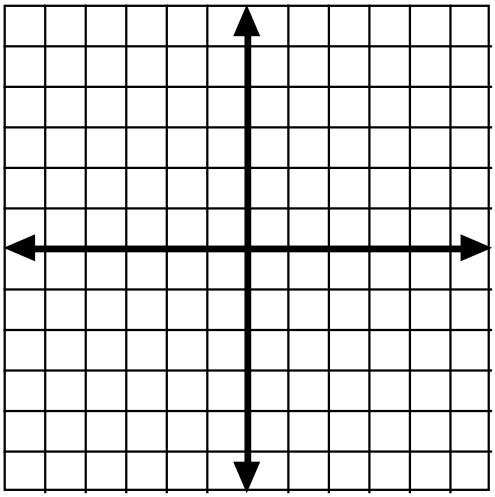
d. Find the value of n, when C(n) = 1300.

5. Graph the following equations using y = mx + b form. (Show your points)

a. $y = \frac{2}{3}x - 4$



b. y = -2x + 3



Directions: ☐ **See me about this** ☐ **Move on to next guide** ☐ **Review and redo**

FMP 10 LG 10B (Formative Assessment)

Marking Teacher: _____ **Name: _____**

Student #: _____

1. Given the relation described by the following words, answer the following questions:
For the numbers 6 to 9, the second number is two greater than the first number.

a. Write the description of the relation as ordered pairs.

b. Draw an arrow diagram representing this relation.

2. Given the relation: (3, 2), (2, 4), (7, 2), (3, 5), (9, 0)

a. Is the relation a function?

b. Give the domain of this relation.

c. Give the range of this relation.

3. The equation D(t) = -80t +300 represents the distance from your destination **D**, in kilometers, after **t** hours of driving.

a. Identify the dependent variable.

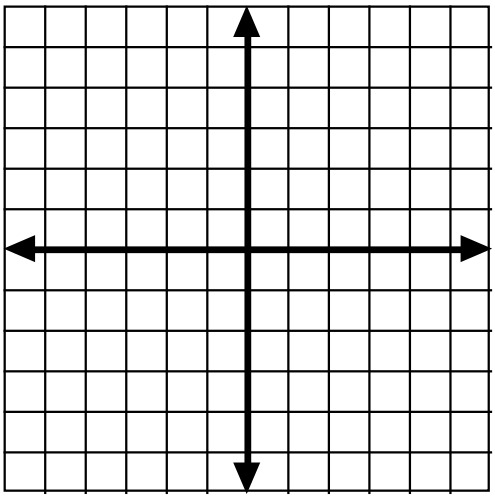
b. Identify the independent variable.

c. Find the value of D(3).

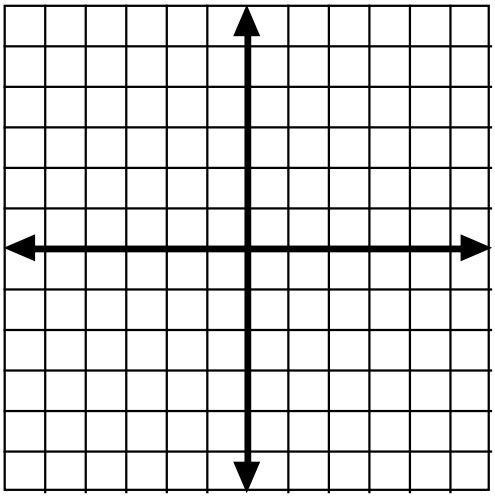
d. Find the value of n, when D(t) = 100.

5. Graph the following equations using y = mx + b form. (Show your points)

a. $y = \frac{-1}{2}x + 1$



b. y = 3x – 5



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