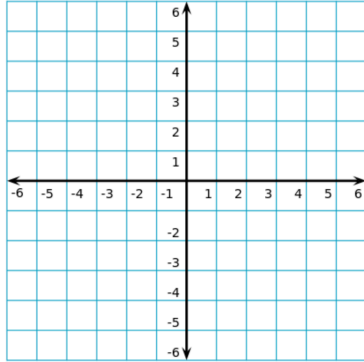


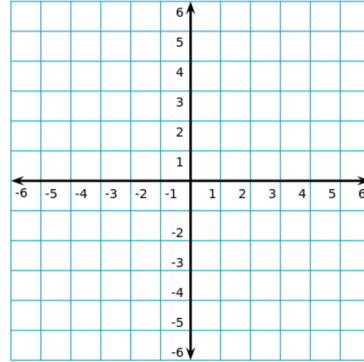
Homework Week of Dec. 9

Graph the linear function.

1.) $f(x) = \frac{4}{3}x - 5$



2.) $f(x) = -5x + 4$



Solve each inequality.

3.) $4(w - 6) \leq -12$

4.) $-\frac{1}{4}(d + 1) < 2$

5.) $9x - 4x + 4 \geq 36 - 12$

6.) $-6 > -3(x + 60)$

Solve.

7.) If you are solving a system of equations and both equations are exactly the same, how many solutions will you have?

$$2x + 3y = 16$$

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8.) If you are solving a system and both variables are exactly the same but the constants are different, how many solutions will you get?

$$6x + 9y = 10$$

$$6x + 9y = 14$$

9.) $2x + 5y = 16$
 $3x - 5y = -1$

10.) $3x - 3y = -3$
 $2x - 6y = 2$

11.) You have a total of 5 quarters and dimes in your pocket. The value of the coins is \$.80. Write and solve a system of linear equations to find the number of x dimes and the number of y quarters in your pocket.

12.) A bouquet of lilies and tulips has 12 flowers. Lilies cost \$3 each, and tulips cost \$2 each. The bouquet costs \$32. Write and solve a system of linear equations to find the number of lilies and tulips in the bouquet.

NAME _____ DATE _____ PERIOD _____