Algebra Review Name_____

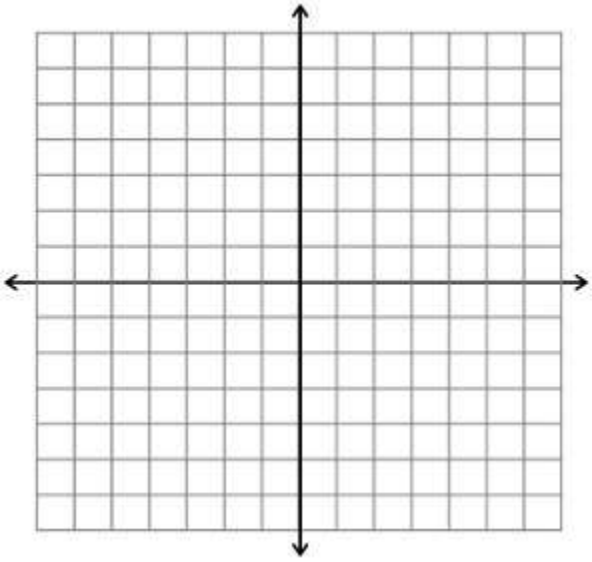
Physics 1A

Forces Unit Date_____ Hour___

EXAMPLES:

Using the equation $y = 6x - 12$, solve for y if $x = 3$.

Graph the equation $y = 6x - 12$ on the grid below, after numbering the axes appropriately.



Locate the coordinate that represents $x = 3$. What is the corresponding value of y? How does that relate to your answer to the first question?

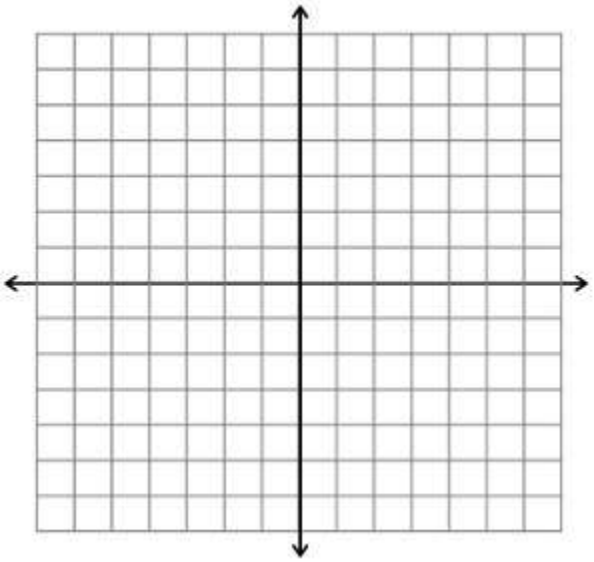
Using the equation $d_f = 4t + 2$, solve for d_f if $t = 10$.

If we were to plot the equation $d_f = 4t + 2$ on a coordinate plane, where on the graph would that coordinate be?

DIRECTIONS: Justify all claims by showing all necessary work.

1. Using the equation $y = -2x + 5$, solve for x if $y = 3$.

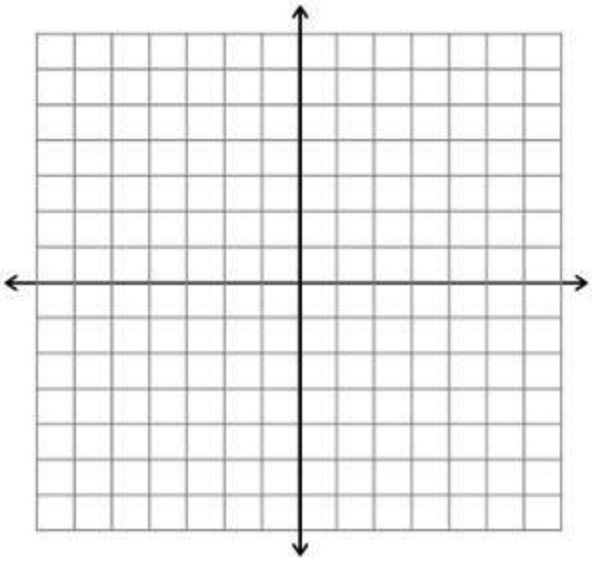
2. Graph the equation $y = -2x + 5$ on the grid below, after numbering the axes appropriately.



Locate the coordinate that represents $y = 3$. What is the corresponding value of x? How does that relate to your answer to question 1?

3. Using the equation $d_f = 3t + 2$, solve for t if $d_f = -7$.

4. Graph the equation $\boldsymbol{d_f} = 3\boldsymbol{t} + 2$ on the grid below, after numbering the axes appropriately.



5. Locate the coordinate that represents $\boldsymbol{d_f} = -7$. What is the corresponding value of $\boldsymbol{t}$? How does that relate to your answer to question 3?