

Algebra I

5.4 Worksheet #1

Find Intercepts and Slope using
the Standard Form of an Equation

NAME: _____

DATE: _____ HOUR: _____

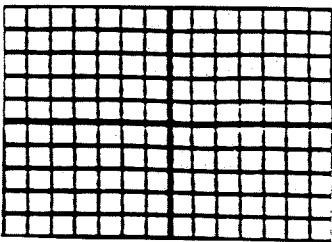
DIRECTIONS:

Using the standard form of a linear equation, find the intercepts, **calculate the slope**, and graph each line.

1. $2x + 4y = -8$

$$\begin{array}{c|c} x & y \\ \hline 0 & \\ \hline & 0 \\ \hline \end{array}$$

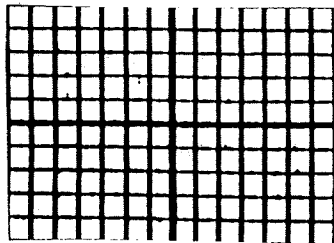
$m = \underline{\hspace{2cm}} =$



2. $x - 4y = 4$

$$\begin{array}{c|c} x & y \\ \hline 0 & \\ \hline & 0 \\ \hline \end{array}$$

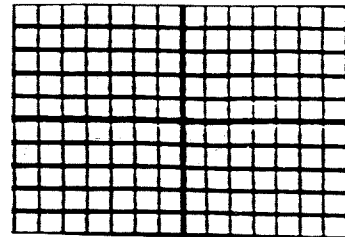
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3. $-10x + 10y = 30$

$$\begin{array}{c|c} x & y \\ \hline 0 & \\ \hline & 0 \\ \hline \end{array}$$

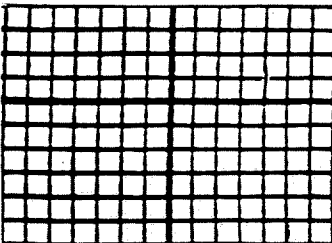
$m = \underline{\hspace{2cm}} =$



4. $2x + 5y = -10$

$$\begin{array}{c|c} x & y \\ \hline 0 & \\ \hline & 0 \\ \hline \end{array}$$

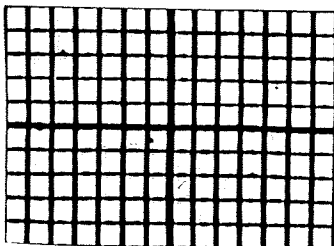
$m = \underline{\hspace{2cm}} =$



5. $8x - 4y = 16$

$$\begin{array}{c|c} x & y \\ \hline 0 & \\ \hline & 0 \\ \hline \end{array}$$

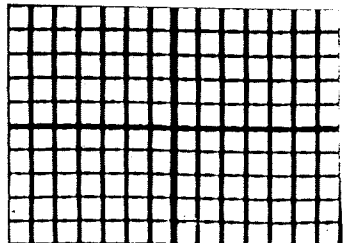
$m = \underline{\hspace{2cm}} =$



6. $-8x + 16y = -16$

$$\begin{array}{c|c} x & y \\ \hline 0 & \\ \hline & 0 \\ \hline \end{array}$$

$m = \underline{\hspace{2cm}} =$



DIRECTIONS:

Using the standard form of a linear equation, find the intercepts.

7. $7x + 8y = -56$

$$\begin{array}{c|c} x & y \\ \hline 0 & \\ \hline & 0 \\ \hline \end{array}$$

8. $5x - 6y = 30$

$$\begin{array}{c|c} x & y \\ \hline 0 & \\ \hline & 0 \\ \hline \end{array}$$

9. $-9x + 6y = 72$

$$\begin{array}{c|c} x & y \\ \hline 0 & \\ \hline & 0 \\ \hline \end{array}$$

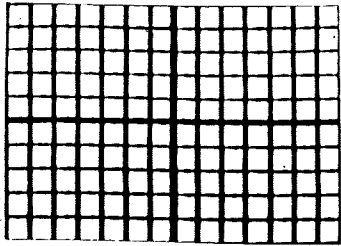
DIRECTIONS:

Using the standard form of a linear equation, find the intercepts, **calculate the slope**, and graph each line.

10. $6x + 4y = -12$

x	y
0	0

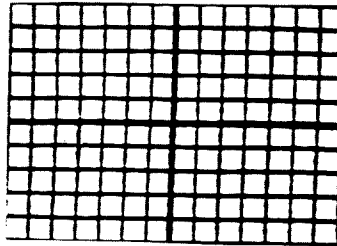
$m = \text{-----} =$



11. $x + y = 2$

x	y
0	0

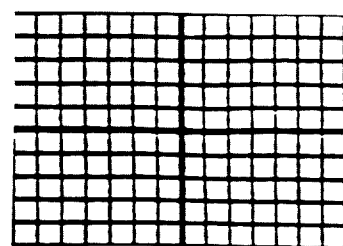
$m = \text{-----} =$



12. $-3x + y = 3$

x	y
0	0

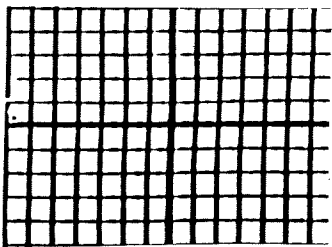
$m = \text{-----} =$



13. $-2x + 4y = 4$

x	y
0	0

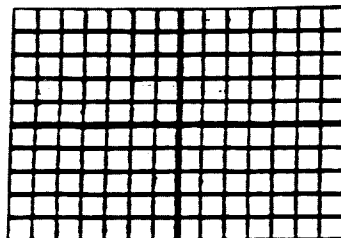
$m = \text{-----} =$



14. $8x - 4y = 8$

x	y
0	0

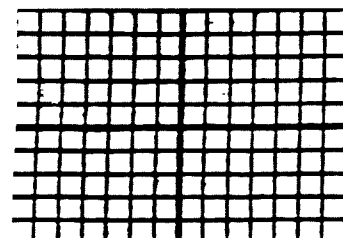
$m = \text{-----} =$



15. $-8x + 16y = 8$

x	y
0	0

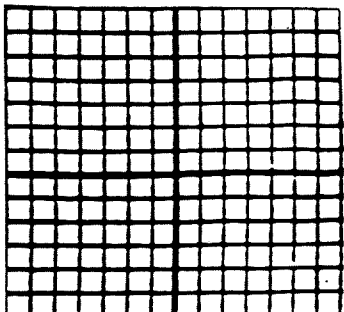
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DIRECTIONS: Using the standard form of a linear equation, find the intercepts and graph each line.

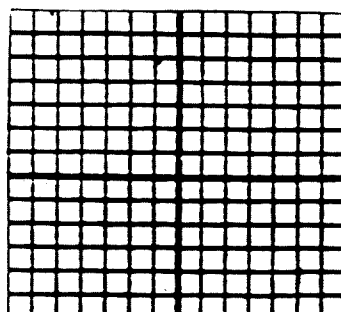
16. $6x + 108y = 36$

x	y
0	0



17. $50x - 50y = 25$

x	y
0	0



18. $8x + 4y = 4$

x	y
0	0

