

ADVANCED MATH 7 REVIEW

Name: _____

Date: _____

Hour: _____

Linear Equations Review

Tell whether or not the given point is a solution to the equation $y = -3x + 5$.

1. $(-4, 16)$

2. $(5, 10)$

3. $(-3, 14)$

4. $(\frac{4}{3}, 1)$

5. Write an equation that has the point $(2, 7)$ as a solution.

Find the slope and y-intercept of each equation.

6. $y = \frac{1}{3}x + 2$

$m =$ _____

$b =$ _____

7. $y = -3x - 3$

$m =$ _____

$b =$ _____

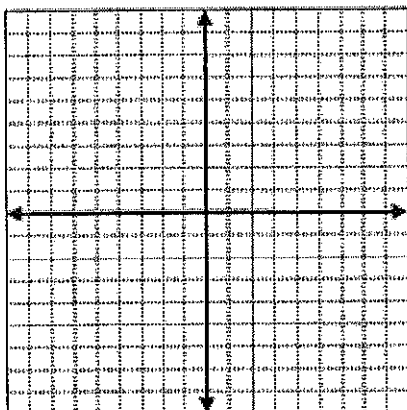
8. $y = \frac{1}{5}x$

$m =$ _____

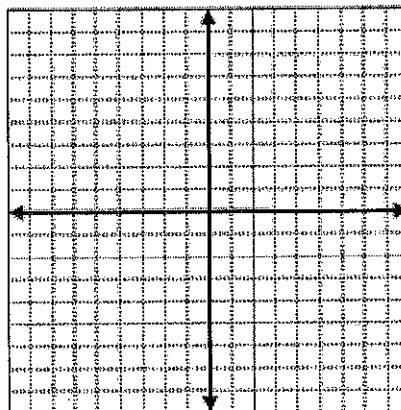
$b =$ _____

Graph each equation.

9. $y = \frac{3}{5}x - 1$



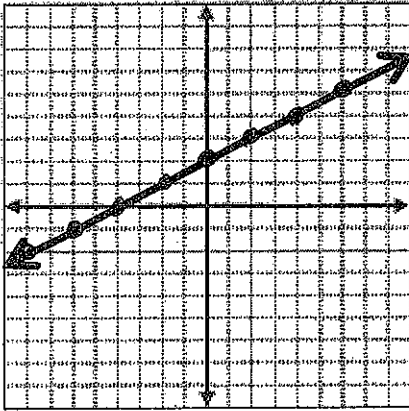
10. $y = 3x - 2$



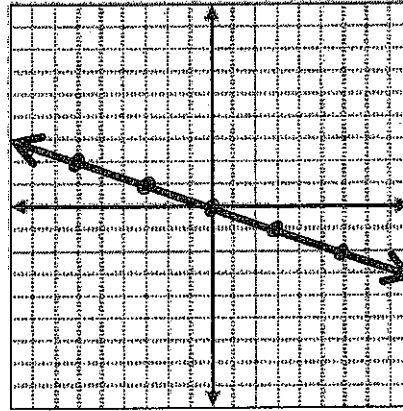
ADVANCED MATH 7 REVIEW

Write the equation in slope-intercept form.

11. _____

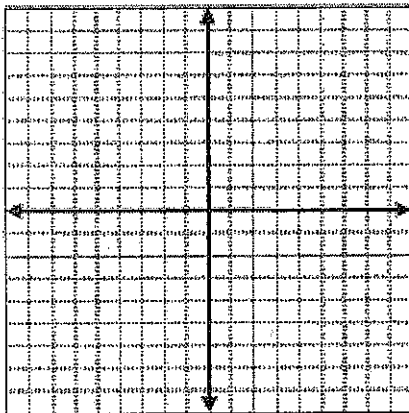


12. _____

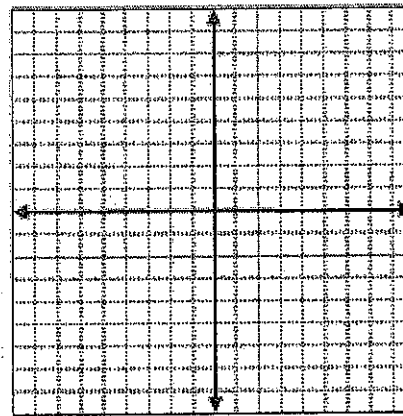


Graph these standard form equations using the x- and y-intercepts.

13. $-5x + 3y = 15$

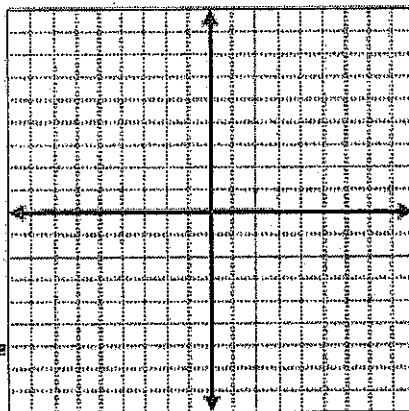


14. $4x + 3y = 12$



Solve the system of equations by graphing.

15.
$$\begin{cases} y = 2x - 1 \\ y = -3x + 4 \end{cases}$$



16.
$$\begin{cases} y = -\frac{1}{2}x + 4 \\ y = x + 1 \end{cases}$$

