Name:_____ Period:_____ Score:_____

# Chapter 10 Review

From the given information, write an equation in **slope-intercept form**.

1. **m = 7** $(1,2)$

2. **Slope = -1** $(2,-4)$

3. $(-1,4)$ and $(4,14)$

4. **m = -1** $(3,-1)$

5. **m =** $\frac{1}{2}$ $(-3,-1)$

6. **m =** $\frac{5}{3}$ $(3,-5)$

7. **m = 2** $(-1,2)$

8. $(0,9)$ and $(4,25)$

9. $(2,-3)$ and $(16,-10)$

10. $(-10,14)$ and $(10,22)$

11. $(6,-4)$ and $(-15,11)$

12. $(5,12)$ and $(8,3)$

Determine if the following point is a solution to the given system of equations.

13.
$(2,-3)$
$x+y=-1$
$2x+5y=19$

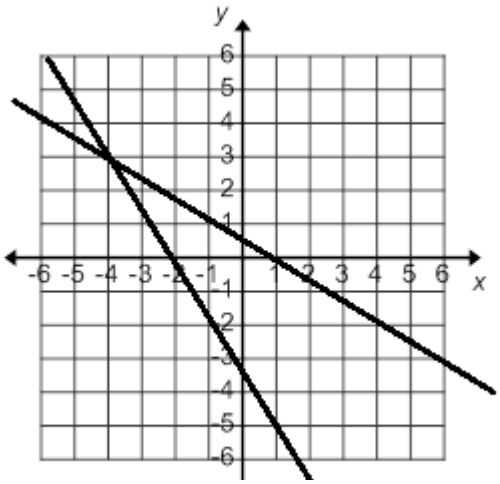
14.
$(-1,-3)$
$3x+5y=-18$
$4x+2y=-10$

15.
$(4,3)$
$x+2y=10$
$3x+5y=3$

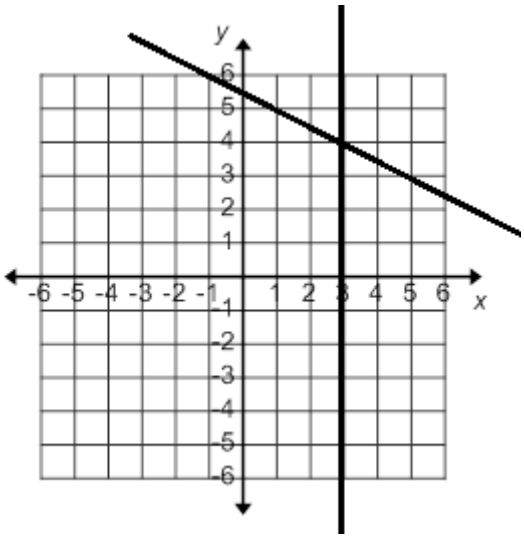
16.
$(-9,-2)$
$2x-5y=-8$
$3x+6y=-39$

What is the solution to the graphed system of equations?

17.



18.



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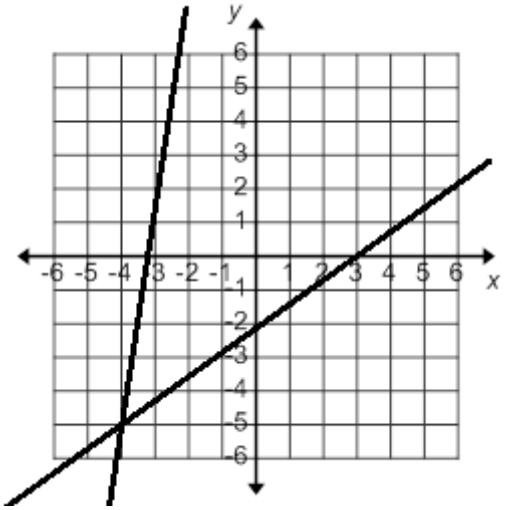

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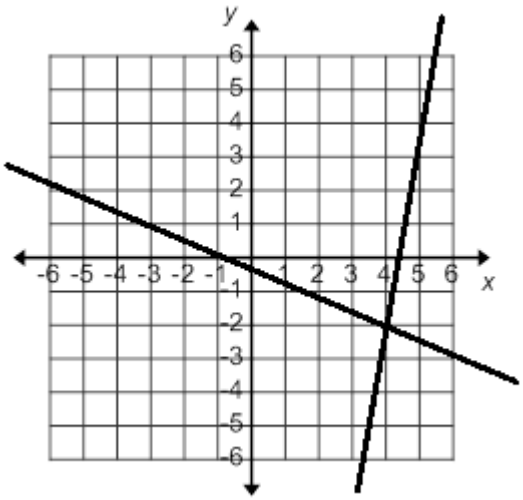
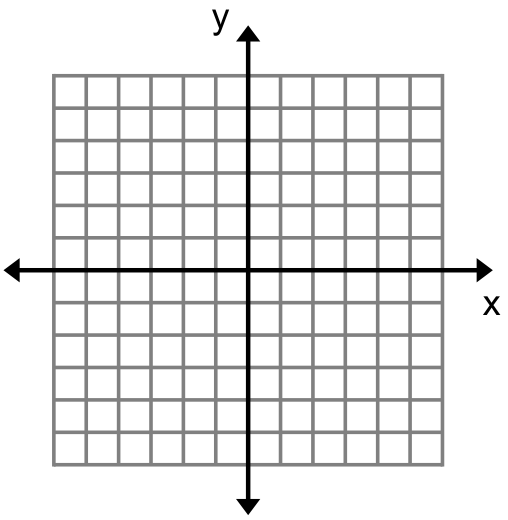


Solve the system of equations by graphing.

21.

$y = -x + 6$

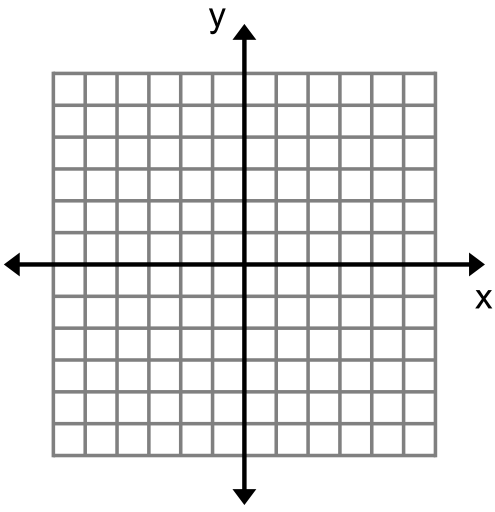
$y = x - 2$



22.

$y = \frac{1}{2}x - 3$

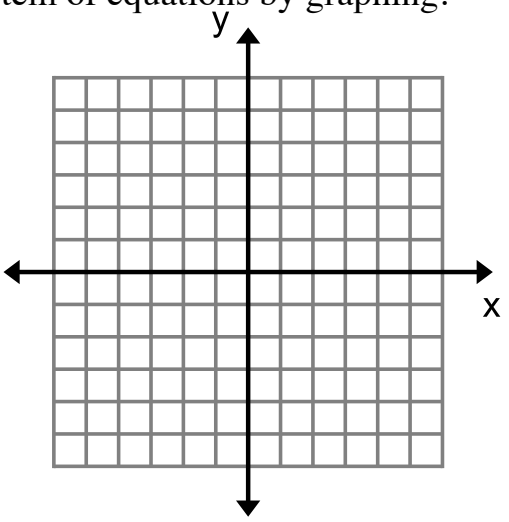
$y = -4x + 6$



Solve the system of equations by graphing.

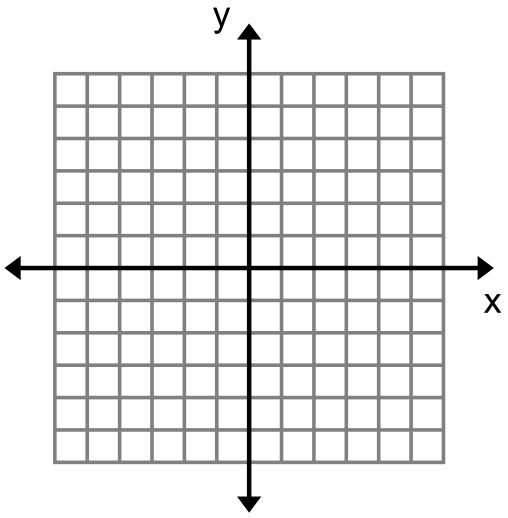
23. $y = -3x + 2$

$y = \frac{3}{2}X + 2$



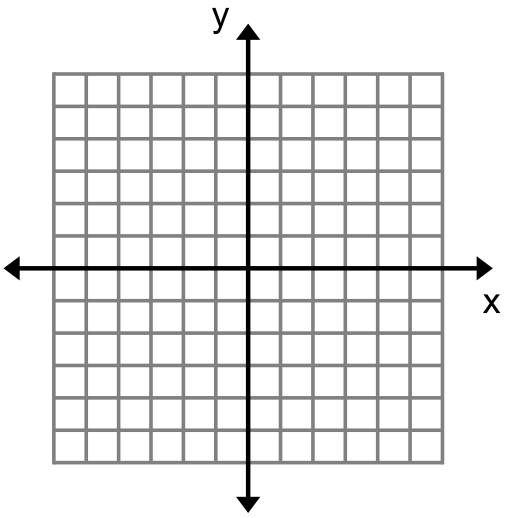

24. $-3x + y = -3$

$y = x - 3$



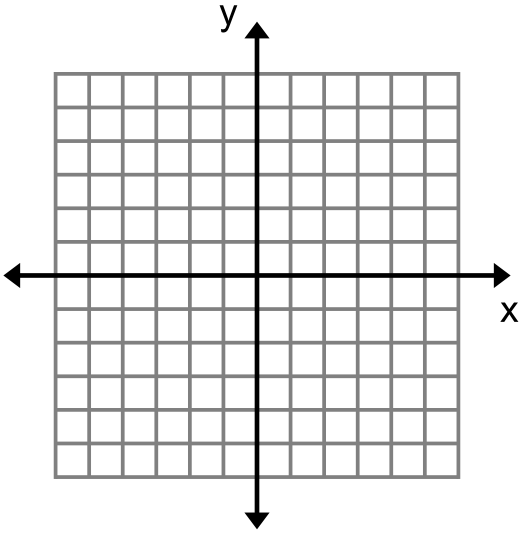

25. $3x - 2y = 12$

$y = -4x + 5$



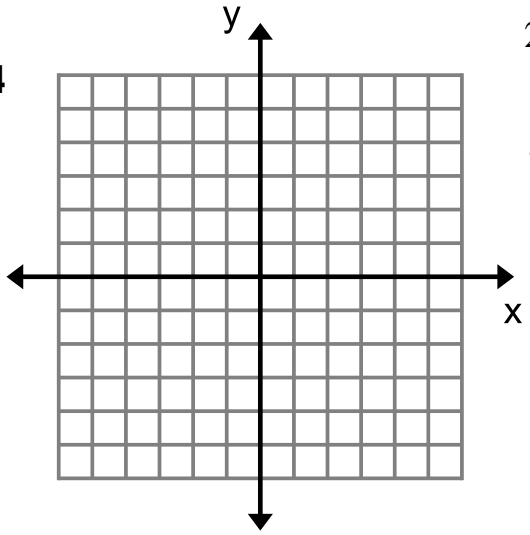

26. $x + 2y = 6$

$2x + 4y = 8$




27. $\mathbf{2x + y = -4}$

$\mathbf{x = y + 7}$




28. $\mathbf{4x - 3y = 12}$

$\mathbf{x = 2y - 2}$