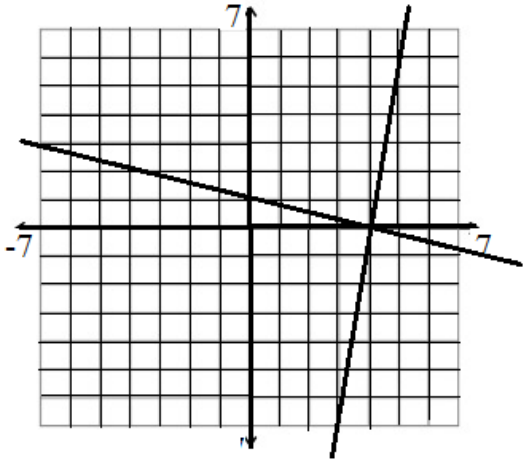
**Name:** **Class:** **Score:** / = % =

**Int 2** **Unit 10**

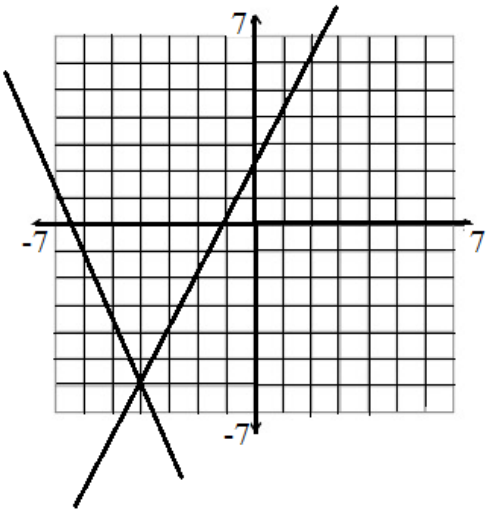
# Homework 10-4
## Solve Systems of Equations by Graphing again.

**What is the solution for each graphed system of equations?**

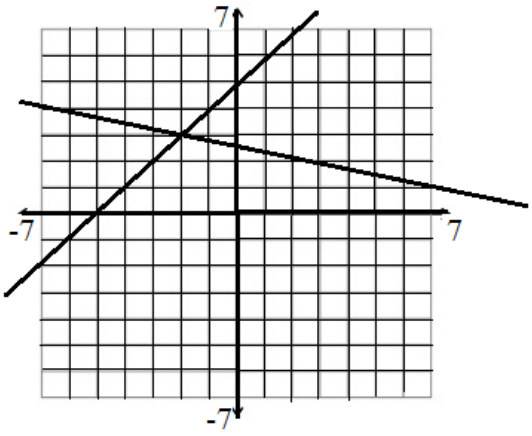
**1)**



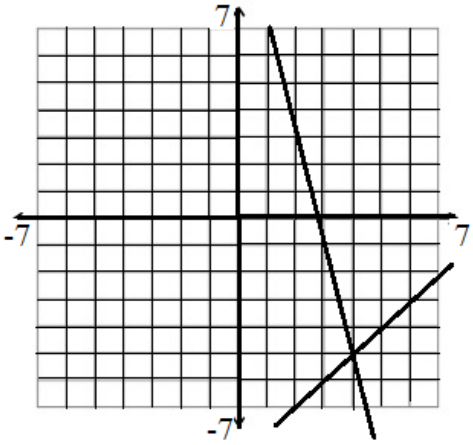

**2)**




**3)**




**4)**

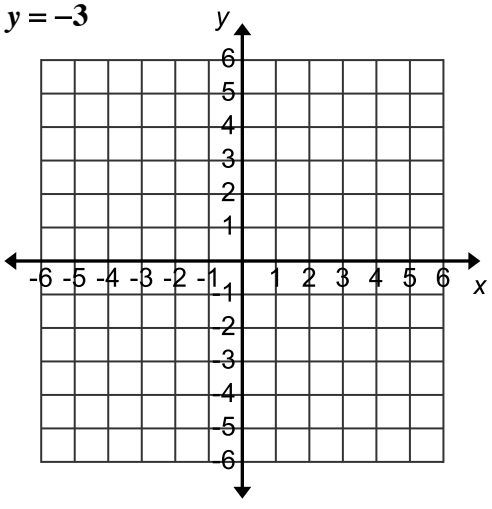



**Solve each system of equations by graphing.**

**5)**

$x + y = -3$

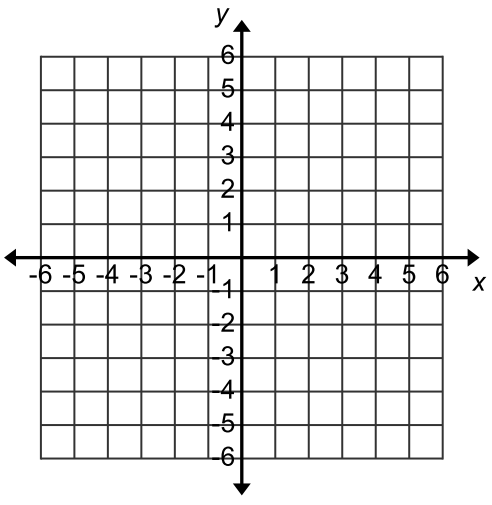
$2x - y = -3$




**6)**

$2x - y = -3$

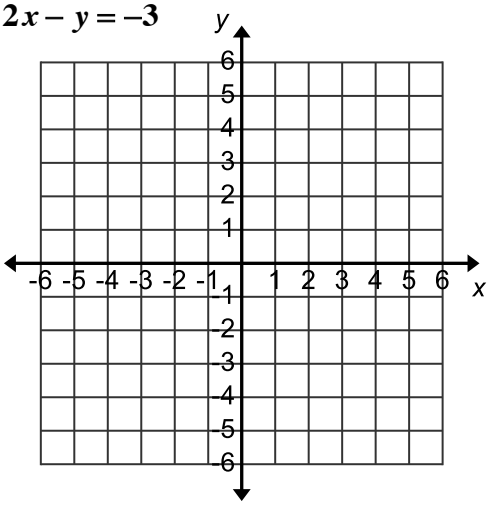
$3x + y = -2$



**Solve each system of equations by graphing.**

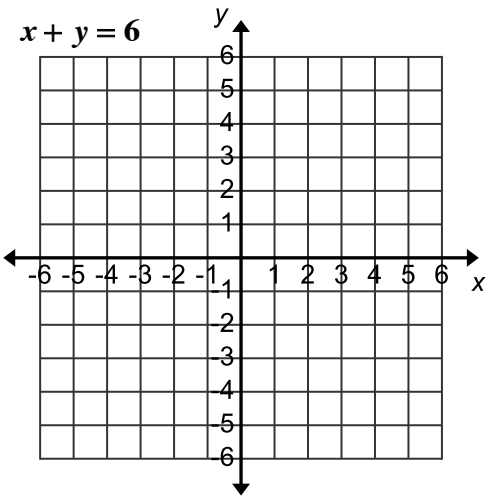
**7)** $4x - 2y = -6$

$2x - y = -3$



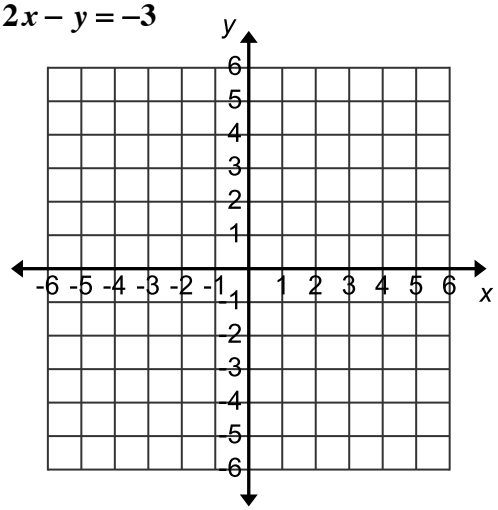

**8)** $x - y = 0$

$x + y = 6$



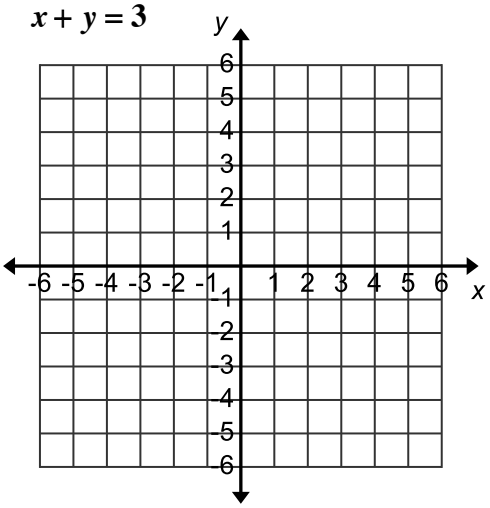

**9)** $x + y = 3$

$2x - y = -3$



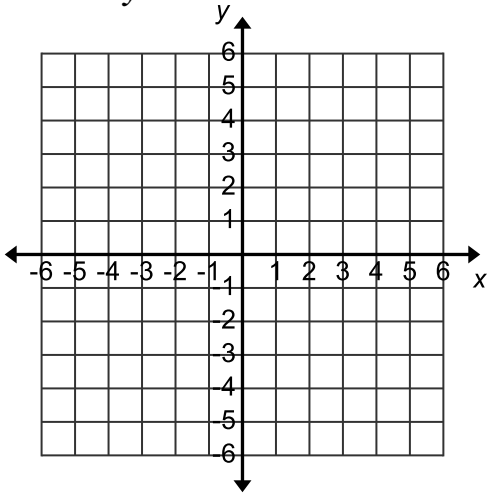

**10)** $3x - y = 1$

$x + y = 3$



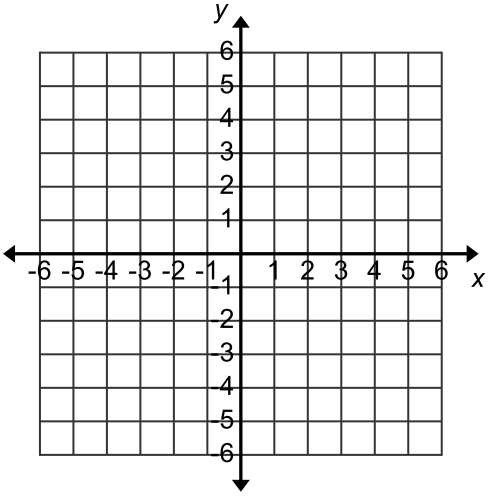

**11)** $x - y = 3$

$x - 2y = 3$



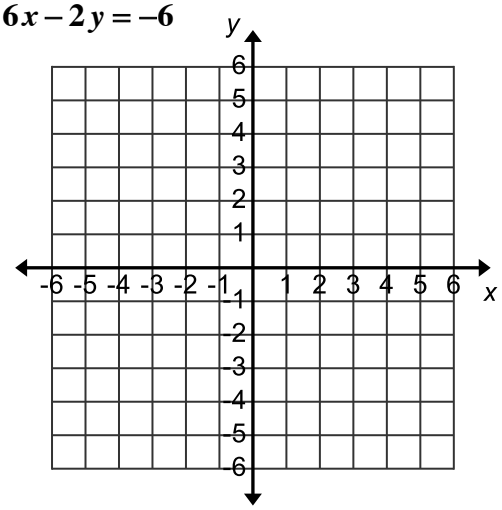

**12)** $y = 3$

$x - y = -5$

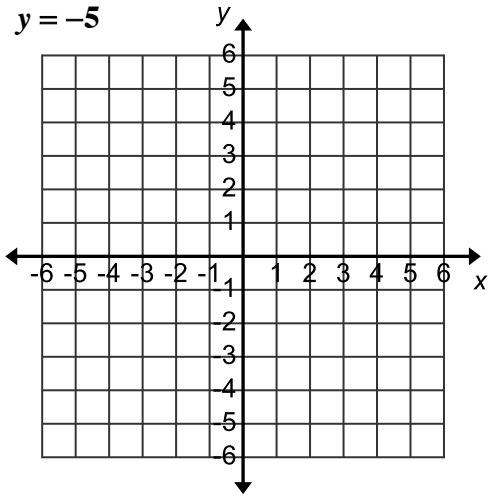


**Solve each system of equations by graphing.**

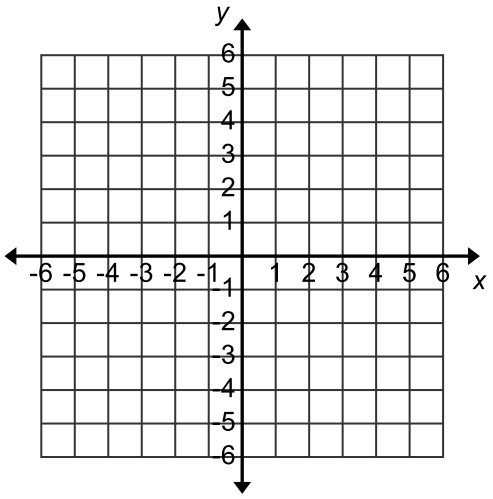
13) $3x - y = 4$
$6x - 2y = -6$



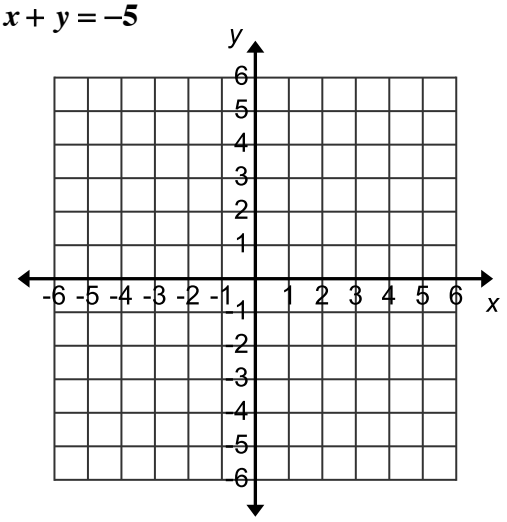

14) $x - y = 3$
$y = -5$



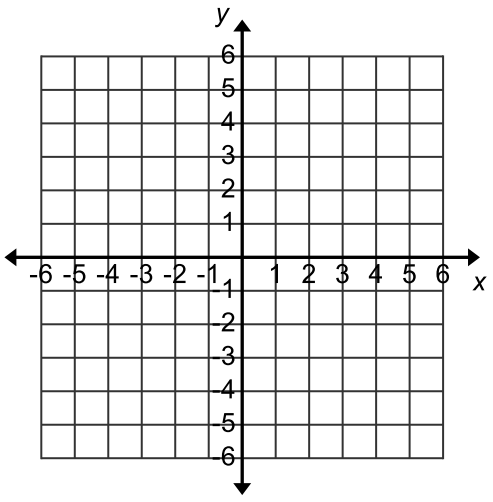

15) $x + 2y = 3$
$3x - y = -5$



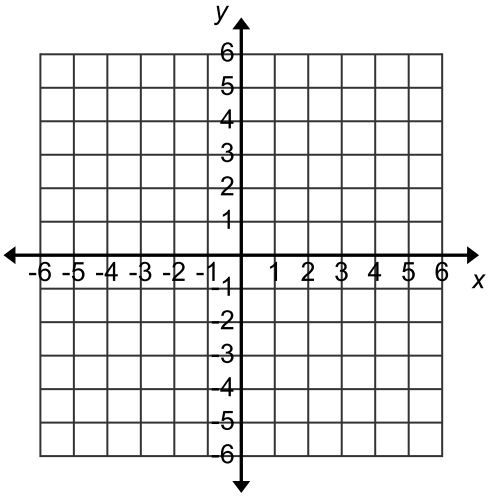

16) $x - y = 1$
$3x + y = -5$




17) $2x + y = 2$
$8x + 4y = -16$

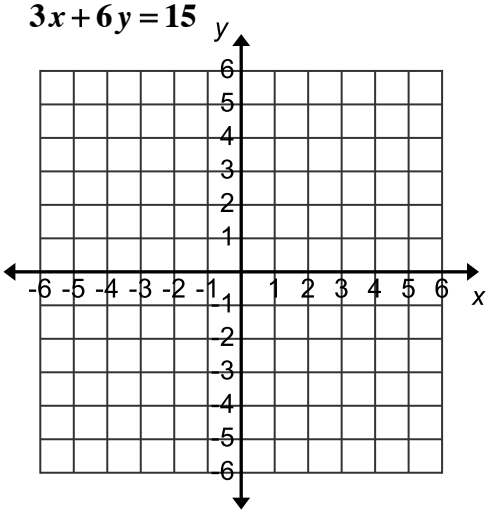



18) $x - y = -2$
$2x - y - 3 = -2$

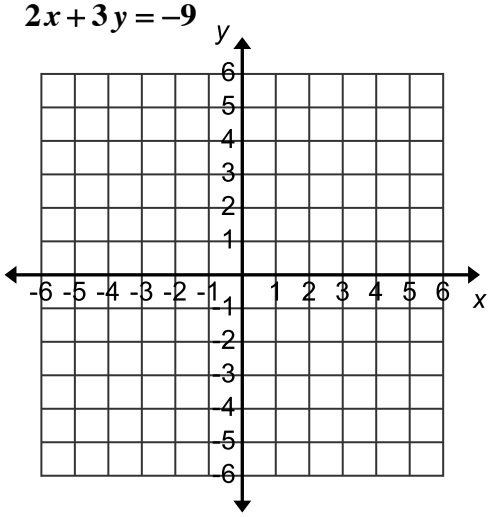


**Solve each system of equations by graphing.**

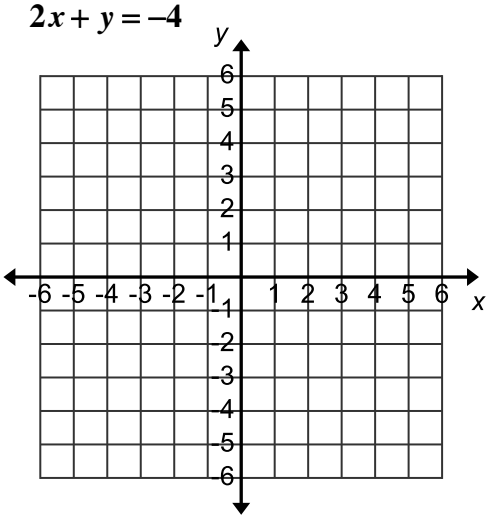
**19)** $x + 2y = 5$
$3x + 6y = 15$



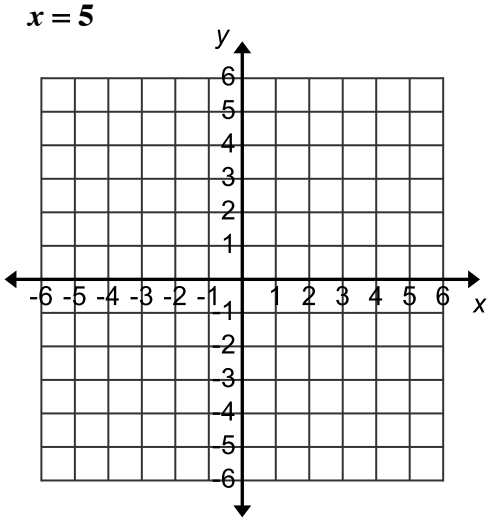

**20)** $3x + y = 4$
$2x + 3y = -9$




**21)** $2x - 3y = -12$
$2x + y = -4$




**22)** $3x - 2y = 11$
$x = 5$




**Determine whether the point given is a solution to the system of equations. Show your work.**

**23)** $y = -3x + 5$
$y = 2x$
**(2,1)**

**24)** $y = \frac{3}{4}x - 5$
$y = \frac{1}{4}x + 1$
**(12,4)**

**25)** $y = \frac{3}{4}x - 6$
$3x - 4y = 24$
**(8,3)**

**26)** $y = -\frac{2}{5}x + 6$
$y = 3x - 4$
**(5,4)**