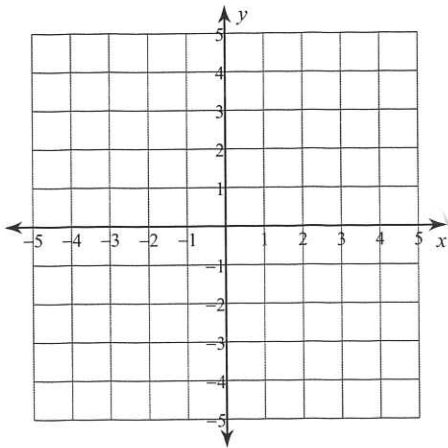


## 6.1 Solving Linear Systems by Graphing HW-1

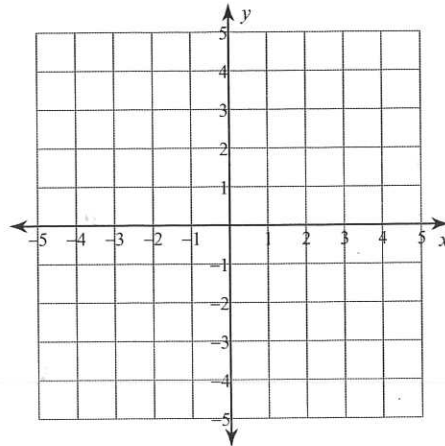
Date \_\_\_\_\_ Period \_\_\_\_\_

1. Solve each system by graphing.
2. Identify the number of solutions

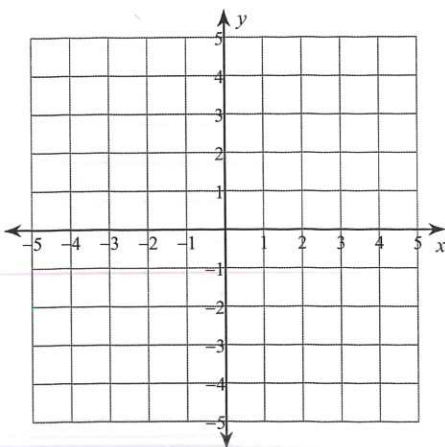
1)  $y = 7x - 3$   
 $y = x + 3$



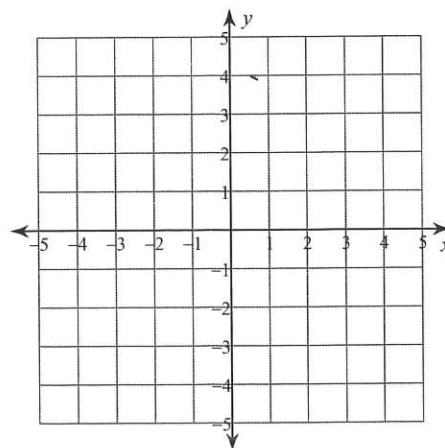
2)  $y = -\frac{1}{3}x + 3$   
 $y = \frac{5}{3}x - 3$



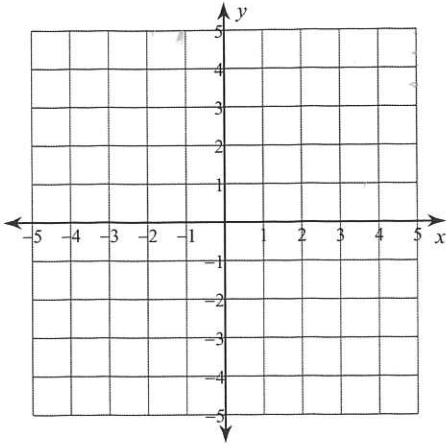
3)  $y = 2x + 2$   
 $y = \frac{1}{3}x - 3$



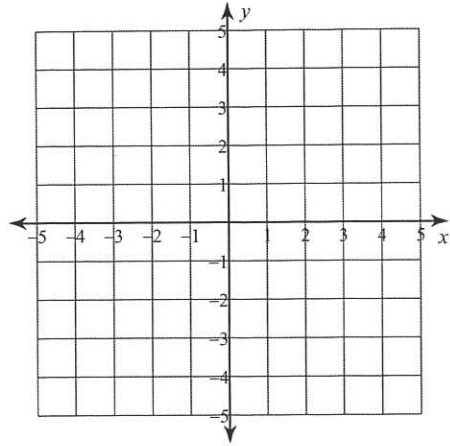
4)  $y = x - 1$   
 $y = -\frac{2}{3}x + 4$



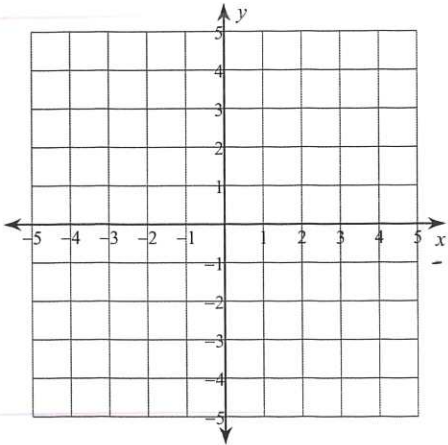
$$5) \begin{aligned} y &= -4x + 3 \\ y &= x - 2 \end{aligned}$$



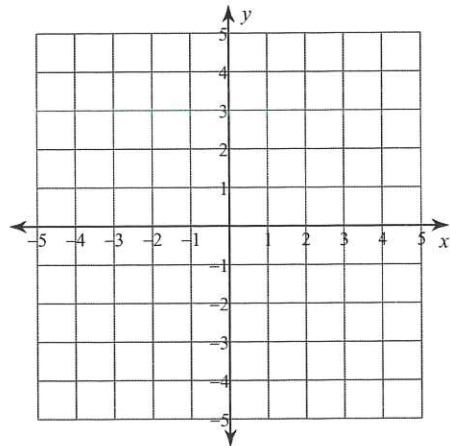
$$6) \begin{aligned} y &= -x - 2 \\ y &= x - 4 \end{aligned}$$



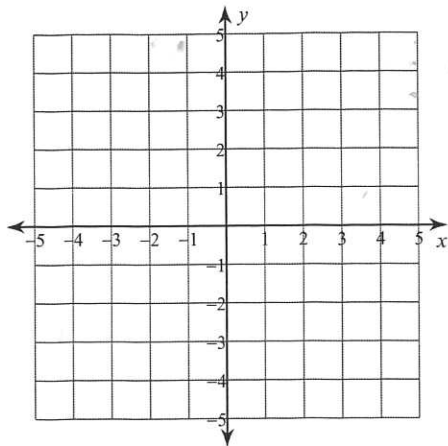
$$7) \begin{aligned} y &= \frac{5}{3}x - 2 \\ y &= \frac{1}{3}x + 2 \end{aligned}$$



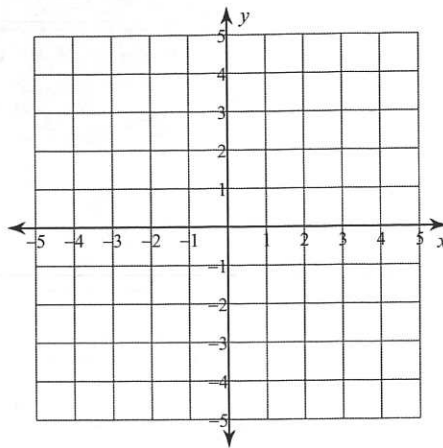
$$8) \begin{aligned} y &= -x + 3 \\ y &= -5x - 1 \end{aligned}$$



9)  $y = -2x + 3$   
 $y = -2x + 1$



10)  $y = 2x - 1$   
 $y = -x + 2$



**Tell whether the ordered pair is a solution of the linear system.**

11)  $(3, 1);$   
 $x + y = -2$   
 $x + 5y = 2$

12)  $(5, 2);$   
 $2x - 3y = 4$   
 $2x + 8y = 11$