Chapter 5 Review

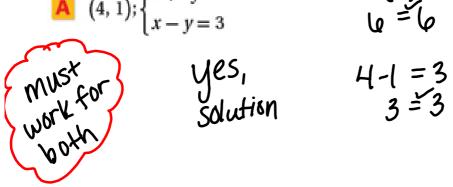
Chapter 5:

- . Know whether a given ordered pair is a solution to a system of equations or not
- · Solve systems of equations by graphing
- · Solve systems of equations using substitution and elimination
- Tell when a system of equations has no solution or infinitely many solutions

Tell whether the ordered pair is a solution of the given system.

$$X Y = 6$$

 $(4, 1); \begin{cases} x + 2y = 6 \\ x - y = 3 \end{cases}$
 $U + 2(1) = 6$
 $Q = 6$



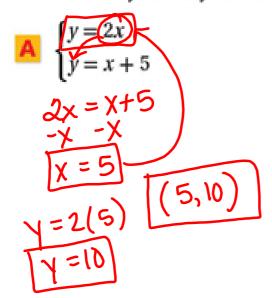
$$4-1=3$$

 $3=3$

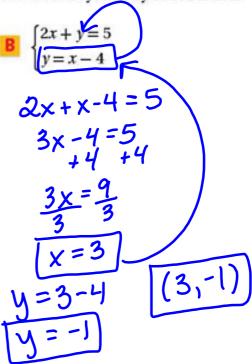
Solve each system by graphing. Check your answer.

where the 2a, $\begin{cases} y=-2x-1 & m=-2 \\ y=x+5 & b=-1 \end{cases}$ 2b. $\begin{cases} y=\frac{1}{3}x-3 \\ 2x+y=4 \end{cases}$

Solve each system by substitution.



Solve each system by substitution.



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

$$-x + x + 1 = 3$$

$$1 \neq 3$$

$$1 \neq 3$$

$$1 = 3$$

$$1 = 3$$

$$1 = 3$$

$$1 = 3$$

5.
$$\begin{cases} y = -x + 3 \\ x + y - 3 = 0 \end{cases}$$

$$x + -x + 3 - 3 = 0$$

$$0 = 0$$
infinitely
many
solutions