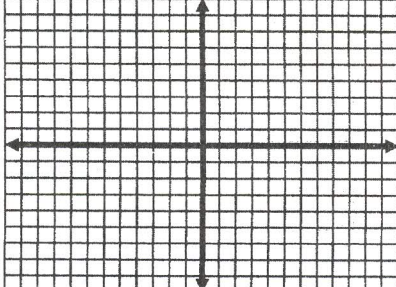
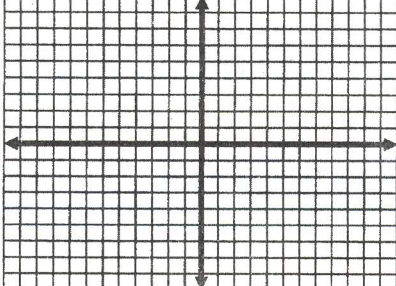
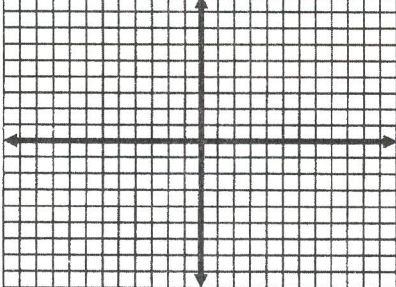
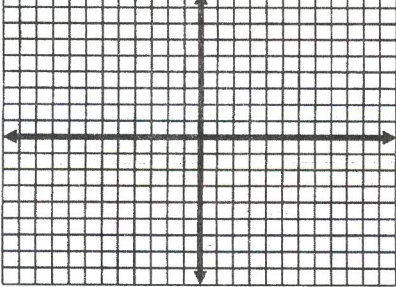
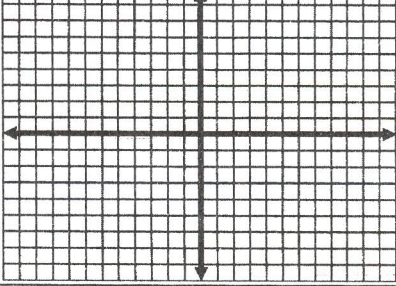


Solving Systems of Equations using GraphingGraph each *system of equations*; classify the system; determine the solution(s), if any.

1. $\begin{cases} y-4 = \frac{1}{2}(x-3) \\ y = -3x+6 \end{cases}$	
2. $\begin{cases} 5x-2y=10 \\ y-5 = \frac{3}{4}(x-4) \end{cases}$	
3. $\begin{cases} 7x+3y=21 \\ y = -\frac{7}{3}x+7 \end{cases}$	
4. $\begin{cases} y+6 = 2(x-1) \\ y = 2x+3 \end{cases}$	
5. $\begin{cases} y = 3 \\ y = -2x+5 \end{cases}$	

Solving Systems of Equations using Substitution & Elimination

Use **substitution** to solve each *system of equations*, classify the system, and determine the solution(s), if any.

6.

$$\begin{cases} x+3y=10 \\ y=\frac{1}{3}x+2 \end{cases}$$

7.

$$\begin{cases} x=3y+1 \\ 2x-5y=5 \end{cases}$$

8.

$$\begin{cases} y=7x-2 \\ 2y-14x=6 \end{cases}$$

9.

$$\begin{cases} x=-2y+5 \\ 4x+8y=20 \end{cases}$$

10.

$$\begin{cases} 4x+5=y \\ x=2y+4 \end{cases}$$

Use **elimination** to solve each *system of equations*, classify the system, and determine the solution(s), if any.

11.

$$\begin{cases} 2x-3y=5 \\ 4x+3y=7 \end{cases}$$

12.

$$\begin{cases} -5x-2y=3 \\ 10x+4y=-6 \end{cases}$$

13.

$$\begin{cases} 7x-3y=5 \\ -14x+6y=10 \end{cases}$$

14.

$$\begin{cases} 3x-4y=4 \\ 6x+2y=4 \end{cases}$$

15.

$$\begin{cases} 9x+8y=10 \\ 3x+16y=5 \end{cases}$$