## Solving Systems by Graphing

## Algorithm

1. Choose most appropriate way to graph each equation; Slope-Intercept or General Form
2. Graph each equation
3. Identify the point of intersection

Find the solution set graphically

$$
\text { 1. } \quad \begin{aligned}
& y=3 x-3 \\
& y=-2 x+7
\end{aligned}
$$

$$
\text { 3. } \begin{aligned}
& y=2 x+7 \\
& y=-x+1
\end{aligned}
$$

4. $y=x-2$

$$
y=-3 x-6
$$

$$
\text { 5. } \quad x+y=4 ~ 子 \begin{array}{ll} 
& y=2 x-8
\end{array}
$$

6. $x+6 y=-1$

$$
y=x-6
$$

$$
\text { 7. } \begin{array}{ll}
x=3 \\
& 2 x+3 y=6
\end{array}
$$

8. $2 x+y=7$

$$
\text { 8. } \quad \begin{aligned}
& 2 x+y=1 \\
& y=-x-1
\end{aligned}
$$

9. $x+y=8$
$-2 x+y=2$
10. $y=x+2$

$$
y=3 x-4
$$

10. $2 x+y=1$

$$
3 x+y=5
$$

