$\qquad$

## Steps

1. One equation will have either $x$ or $y$ by itself, or can be solved easily for $x$ or $y$.
2. Substitute the expression from Step 1 into the other equation and solve for the other variable.
3. Substitute the value from Step 2 into the equation from Step 1 and solve.
4. Your solution is the ordered pair formed by $x$ and $y$.
5. Check the solution in each of the original equations.

Solve the following systems of equations by using the substitution method.

$$
\text { 1. } \begin{aligned}
& x=-4 \\
& 3 x+2 y=20
\end{aligned}
$$

2. $\begin{aligned} & y=x-1 \\ & x+y=3\end{aligned}$
3. $3 x+2 y=-12$
$y=x-1$
4. $x=\frac{1}{2} y-3$

$$
4 x-y=10
$$

$$
\text { 5. } \begin{aligned}
& x=-5 y+4 \\
& 3 x+15 y=-1
\end{aligned}
$$

$$
\text { 6. } \begin{gathered}
2 x-5 y=29 \\
x=-4 y+8
\end{gathered}
$$

7. $x=5 y+10$
$2 x-10 y=20$
8. $2 x-3 y=-24$
$x+6 y=18$
