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$\qquad$

Solving Systems using Substitution - Part 1

- Solve both equations for $y$.
- Set them equal to each other.
- Solve the resulting equation for $x$.
- Solve for y using substitution.

Example: $\quad y=3 x$

$$
2 x+y=10
$$

First, we must solve the second equation for $y$ to get $y=-2 x+10$.
Now that both equations are solve for $y$, we need to set them equal to each other.


Practice.

$$
\text { 1. } \quad \begin{aligned}
& y=6 x \\
& y=4 x+18
\end{aligned}
$$

2. $y=-2 x+4$

Systems of Equations - Day 5 Notes

Name
Date $\qquad$ Period
5. $\begin{gathered}3 x-y=5 \\ -x+2 y=0\end{gathered}$
6. $\begin{aligned} & y=-x+3 \\ & x-y=-1\end{aligned}$

