



6.4 Solving Systems of Linear Equations by Substitution

Name: _____

$$\begin{aligned} \textbf{1. } & y = 4x \\ & x + y = 5 \end{aligned}$$

$$\begin{aligned} \textbf{7. } & y = 4x - 1 \\ & y = 2x - 5 \end{aligned}$$

$$\begin{aligned} \textbf{2. } & y = 2x \\ & x + 3y = -14 \end{aligned}$$

$$\begin{aligned} \textbf{8. } & y = 3x + 8 \\ & 5x + 2y = 5 \end{aligned}$$

$$\begin{aligned} \textbf{3. } & y = 3x \\ & 2x + y = 15 \end{aligned}$$

$$\begin{aligned} \textbf{9. } & 2x - 3y = 21 \\ & y = 3 - x \end{aligned}$$

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

$$\begin{aligned} \textbf{10. } & y = 5x - 8 \\ & 4x + 3y = 33 \end{aligned}$$

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

$$\begin{aligned} \textbf{11. } & x = -2y + 13 \\ & 3x - 5y = 6 \end{aligned}$$

$$\begin{aligned} \textbf{6. } & x = y - 7 \\ & x + 8y = 2 \end{aligned}$$

$$\begin{aligned} \textbf{12. } & y = -2.5x - 2 \\ & 3x + 2y = 0 \end{aligned}$$