

Solve by Substitution

Date _____ Period _____

Solve each system by substitution.

1)
$$\begin{aligned}y &= 2x - 2 \\y &= -4x + 22\end{aligned}$$

2)
$$\begin{aligned}y &= -4x - 11 \\y &= -6x - 15\end{aligned}$$

3)
$$\begin{aligned}y &= x - 5 \\y &= -7x - 13\end{aligned}$$

4)
$$\begin{aligned}y &= 3x + 16 \\y &= -5x - 16\end{aligned}$$

5)
$$\begin{aligned}y &= 8x + 11 \\y &= -5x - 15\end{aligned}$$

6)
$$\begin{aligned}y &= -3x + 8 \\y &= -4x + 13\end{aligned}$$

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

8)
$$\begin{aligned}y &= -4x - 3 \\y &= 6x + 7\end{aligned}$$

9)
$$\begin{aligned}y &= 3x + 11 \\y &= 4x + 16\end{aligned}$$

10)
$$\begin{aligned}y &= -8x + 18 \\y &= 2x - 2\end{aligned}$$