

1.

$$\begin{aligned}27x - 14y &= 55 \\4x - 15y &= 383\end{aligned}$$

**Solution:**  $x = -13, y = -29$ 

5.

$$\begin{aligned}29x + 10y &= 817 \\22x + 23y &= 851\end{aligned}$$

**Solution:**  $x = 23, y = 15$ 

2.

$$\begin{aligned}-26x - 2y &= -398 \\-21x + 21y &= -525\end{aligned}$$

**Solution:**  $x = 16, y = -9$ 

6.

$$\begin{aligned}16x + y &= 14 \\18x - 25y &= -768\end{aligned}$$

**Solution:**  $x = -1, y = 30$ 

3.

$$\begin{aligned}-21x - 4y &= -11 \\-15x - 23y &= 254\end{aligned}$$

**Solution:**  $x = 3, y = -13$ 

7.

$$\begin{aligned}-15x + 2y &= -464 \\-14x - 9y &= -357\end{aligned}$$

**Solution:**  $x = 30, y = -7$ 

4.

$$\begin{aligned}6x - 4y &= -54 \\-19x - 15y &= -327\end{aligned}$$

**Solution:**  $x = 3, y = 18$ 

8.

$$\begin{aligned}-17x - y &= -337 \\2x + 5y &= -58\end{aligned}$$

**Solution:**  $x = 21, y = -20$