

**11** Multiply the first equation by 3 and add to eliminate the  $y$ -variable.

$$15x + 3y = -15$$

$$\underline{7x - 3y = -29}$$

$$22x = -44 \Rightarrow x = -2.$$

Then, since  $5x + y = -5$ , it follows that  $y = 5$ . The solution is  $(-2, 5)$ . The system is consistent and independent.