

$$-1(5x + 3y = -19)$$

$$8x + 3y = -25$$

$$\underline{-5x - 3y = 19}$$

$$\frac{3x}{3} = \frac{-6}{3}$$

$$x = -2$$

$$(-2, -3)$$

$$5(-2) + 3y = -19$$

$$\begin{array}{r} -10 + 3y = -19 \\ +10 \end{array}$$

$$\begin{array}{r} 3y = -9 \\ \frac{3y}{3} = \frac{-9}{3} \\ y = -3 \end{array}$$

$$4(5x + 3y = 52)$$

$$3(9x - 4y = 56)$$

$$20x + 12y = 208$$

$$27x - 12y = 168$$

$$\underline{47x = 376}$$

$$\frac{47x}{47} = \frac{376}{47}$$

$$x = 8$$

$$5(8) + 3y = 52$$

$$\begin{array}{r} 40 + 3y = 52 \\ -40 \end{array}$$

$$\begin{array}{r} 3y = 12 \\ \frac{3y}{3} = \frac{12}{3} \\ y = 4 \end{array}$$

$$(8, 4)$$

$$\begin{array}{r} 5x + 6y = 45 \\ \cancel{5x} - \cancel{6y} = 38 \end{array}$$

$$0 = 83$$

no solution