

**Samples                      Simultaneous equations**

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**1.** Solve

$$\begin{aligned}9x + 10y &= -102 \\ -2x + 2y &= 10\end{aligned}$$

**2.** Solve

$$\begin{aligned}-21x + 49y &= 196 \\ -3x + 7y &= 28\end{aligned}$$

**3.** Solve

$$\begin{aligned}-3x - 10y &= 7 \\ -9x + 4y &= -13\end{aligned}$$

**4.** Solve

$$\begin{aligned}-3x + 7y &= 43 \\ -15x + 35y &= 215\end{aligned}$$

**5.** Solve

$$\begin{aligned}2x - 3y &= 23 \\ -9x + 5y &= -95\end{aligned}$$