

Name: _____

Simultaneous equations

1) Solve:

- $$\begin{cases} x^2 + y^2 = 25 \\ y - 3x = 13 \end{cases}$$

Answers: $x =$ _____; $y =$ _____

- $$\begin{cases} x^2 - 8y^2 = 68 \\ x - 4y = 2 \end{cases}$$

Answers: $x =$ _____; $y =$ _____

- $$\begin{cases} y = x^2 \\ y - 5x = 6 \end{cases}$$

Answers: $x =$ _____; $y =$ _____

- $$\begin{cases} x = 2y \\ x^2 - y^2 + xy = 20 \end{cases}$$

Answers: $x =$ _____; $y =$ _____