

Which of these would you keep? x or y?

$$5x + 2y = 82$$

$$5x - 12y = 13$$

$$7x + 3y = 25$$

$$3y - 3x = 11$$

$$9x - 8y = 7$$

$$9x + 6y = 34$$

Multiply each term in these equations by 5.

$$7x + 3y = 25$$

$$9x - 8y = 7$$

Solve these equations

$$7x = 28$$

$$6x + 8 = 56$$

$$5x + 3(8) = 89$$

$$9x - 6(5) = 33$$

Find the value of x when y = 6.

$$5x + 2y = 82$$

$$3y - 3x = 11$$

$$9x + 6y = 34$$