



**Simultaneous Equations –**  
Use the Substitution Method

**Videos Required:**  
**Video 11**

$$4x + 2y = 26$$

$$2x + 5y = 1$$

$$x = 8$$

$$y = -3$$

$$2x + 2y = 34$$

$$-4x - y = -41$$

$$x = 8$$

$$y = 9$$

$$5x - 2y = 17$$

$$3x + 4y = 5$$

$$x = 3$$

$$y = -1$$

$$4x + 3y = 44$$

$$-5x - 3y = -49$$

$$x = 5$$

$$y = 8$$

$$2x - 2y = 8$$

$$5x + 3y = 4$$

$$x = 2$$

$$y = -2$$

$$4x + 5y = 30$$

$$3x + 4y = 23$$

$$x = 5$$

$$y = 2$$

$$-3x + y = -10$$

$$x - y = 4$$

$$x = 3$$

$$y = -1$$

$$5x - 2y = 36$$

$$2x - y = 15$$

$$x = 6$$

$$y = -3$$

$$3x + y = 33$$

$$5x + 3y = 63$$

$$x = 9$$

$$y = 6$$

$$2x - 3y = 2$$

$$3x + y = 25$$

$$x = 7$$

$$y = 4$$

$$5x + 3y = 59$$

$$2x + 4y = 46$$

$$x = 7$$

$$y = 8$$

$$5x + 3y = 22$$

$$2x + 4y = 34$$

$$x = -1$$

$$y = 9$$