

Solving Simultaneous Equations – No Multiplying

1)

$$2x + 3y = 18$$

$$6x + 3y = 30$$

2)

$$2x + 3y = 18$$

$$6x - 3y = 30$$

3)

$$2x + y = 18$$

$$6x - y = 30$$

4)

$$2x - y = 18$$

$$6x - y = 30$$

5)

$$y + 2x = 18$$

$$y + 6x = 30$$

6)

$$y + 2x = -18$$

$$y + 6x = 30$$

7)

$$2x + y = -18$$

$$6x - y = -30$$

8)

$$2x + 4y = -18$$

$$2x - 4y = -30$$

9)

$$x + 4y = -18$$

$$2x - 4y = -30$$

10)

$$x + y = -18$$

$$x - y = -30$$

Simultaneous Equations – No Multiplying – ANSWERS

1. $x = 3, y = 4$

2. $x = 6, y = 2$

3. $x = 6, y = 6$

4. $x = 3, y = -12$

5. $x = 3, y = 12$

6. $x = 12, y = -42$

7. $x = -6, y = -6$

8. $x = -6, y = -3/2$

9. $x = -16, y = -1/2$