

Algebra

Solving equations

Solve for x

1) $5x + 3 = 3x + 7$

$$5x - 3x = 7 - 3$$

$$2x = 4$$

$$x = \frac{4}{2} \text{ or } 4/2$$

$$x = 2$$

2. $4x - 5 = 2x + 3$

$$x =$$

3. $7x + 5 = 5x + 7$

$$x =$$

4. $9x - 7 = 5x + 9$

$$x =$$

5. $11x + 2 = 9x + 4$

$$x =$$

6. $11x - 9 = 5x + 27$

$$x =$$

7. $20x - 9 = 14x + 3$

$$x =$$

8. $6x - 1 = x + 14$

$$x =$$

9. $5x + 1 = x + 11$

$x =$

10. $6(2x - 1) = 7x + 4$

$x =$

11. $3(2x - 2) = 3x + 9$

$x =$

12. $x + 2 = 5x - 2$

$x =$