

Solving Equations

Math 1 Alternating

Solve for x

$$4. \quad 5 = \frac{x}{11} - 1$$

$$6. \quad \frac{x}{3} + 8 = 25$$

$$8. \quad 17 = \frac{x}{5} + 6$$

$$10. \quad \frac{x}{-8} + 1 = -2$$

$$11. \quad 1 + \frac{x}{-10} = -3$$

$$12. \quad 10 = \frac{x}{5} + 2$$

Solve for x

1. $-3x + 20 = -10$

2. $25 + 10x = -55$

3. $-33 = 75 + 12x$

4. $5 = \frac{x}{11} - 1$

5. $8 = -6 - 2x$

6. $\frac{x}{3} + 8 = 25$

7. $-8x + 61 = -35$

8. $17 = \frac{x}{5} + 6$

9. $-6x - 21 = 27$

10. $\frac{x}{-8} + 1 = -2$

11. $1 + \frac{x}{-10} = -3$

12. $10 = \frac{x}{5} + 2$

Solve for x

1. $5(-5x + 4) = -105$

2. $-5(3x + 4) = 70$

3. $60 = -5(4x + 4)$

4. $52 = 4(-3x + 4)$

5. $32 = -4(-3x + 4)$

6. $2(-2x + 4) = -16$

7. $-4(2x + 3) = -28$

8. $5(-5x + 3) = 65$

9. $-108 = 4(5x - 2)$

10. $2(2x + 4) = -16$

Solve for x

1. $\frac{3}{4}(x+8)=12$

2. $\frac{2}{5}(x+10)=2$

3. $\frac{3}{2}(x+2)=12$

4. $\frac{5}{6}(x+6)=10$

5. $\frac{3}{5}(x+5)=12$

6. $\frac{2}{3}(x+6)=12$

Solve for x

1. $-2 + 2x - 3x = 4$

2. $-x - 2(-4x - 4) = 38$

3. $-2x - 3x - 11 = 14$

4. $3x + 2(-2x + 3) = -3$

5. $2x + 3x - 19 = 11$

6. $-5x + 7(x - 4) = -16$

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

8. $6x + 4(-3x + 2) = -46$

9. $2x - 3x - 5 = 2$

10. $-7x - 4(-3x - 4) = 46$

Solve for x

1. $-6x - 7(-2x + 4) = 28$

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

3. $-4x + 6(x + 2) = 30$

4. $-2x - 3x - 11 = 14$

5. $-2x - 3(-4x + 2) = 44$

6. $2x + 3x - 19 = 11$

7. $-3x + 2(4x + 3) = 31$

8. $x - 5 - 3x = 5$

9. $5x + 6(-x - 3) = -30$

10. $2x - 3x - 5 = 2$

Solve for x

1. $2x - 2 = 54 - 5x$

2. $10 - 3x = 7x - 100$

3. $6x + 2 = 2x + 18$

4. $-4 + x = 5x - 44$

5. $3x + 2 = -2x + 37$

6. $6x + 2 = 42 - 2x$

7. $4x + 6 = 5x + 4$

8. $3x + 4 = -8 + 2x$

9. $1 - 3x = x - 3$

10. $2x + 5 = 3x - 1$

Solve for x

1. $10 + 3x = 6x - 5$

3. $5 - 3x = 5x - 11$

5. $-4 + 2x = 6x + 4$

7. $-7x + 4 = 6x - 22$

9. $6 + 6x = 2x - 14$

2. $2 + 4x + 7x = 79$

4. $1 = -5x - 5 + 7x$

6. $6 = 2x - x + 4$

8. $-x - 9 + 7x = -57$

10. $x + 4 - 5x = 4$

Solve for x

1. $2(2x - 3) = 5x - 6$

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

3. $3(5x - 9) = 5x - 12$

4. $3(2x - 11) = 7x - 33$

5. $3(5x - 9) = -2(6 - 2x)$

6. $6(3 - x) = -4(2x - 1)$

7. $4(10 - x) = -7(x - 1)$

8. $-(10 - x) = 3(x + 4)$

Solve for x

1. $-7 + 2x - x = 5 + 3x + 4x$

2. $6x + 2x - 7 = 5 - 3x + 5x$

3. $-10 + 6x + 3x = 5 - 4x - 2x$

4. $-8 - 5x - 6x = 8 + x - 4x$

5. $4(x + 2) - 2x = 4x - 2$

6. $3(x - 4) + 6 = 5(x - 1) + 1$

7. $-2(x - 5) = 3(4 - x)$

8. $.5(2x - 6) + 1 = 2(x - 10) - 3$

9. $3x = 4(-3x + 6)$