

# Solving Equations

Math 1 Alternating

# Solve for x

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

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

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

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

5.  $52 = 4(-3x + 4)$

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.  $\frac{3}{4}(x+6)=12$

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

3.  $\frac{3}{10}(x+2)=12$

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

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

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

# Solve for x

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

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

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

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

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

6.  $x - 9 + 3x = 15$

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

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

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

10.  $-6 + x + 2x = 6$

# Solve for x

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

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

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

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

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

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

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

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

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

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