

# Solving Equations

## 15 Minute Challenge!



1)  $x + 7 = 11$        $x =$  \_\_\_\_\_

11)  $\frac{2x + 3}{9} = -9$        $x =$  \_\_\_\_\_

2)  $12 + x = 9$        $x =$  \_\_\_\_\_

12)  $\frac{5x - 6}{3} - 11 = -18$        $x =$  \_\_\_\_\_

3)  $8x = 96$        $x =$  \_\_\_\_\_

13)  $8 + 2(4x + 11) = 54$        $x =$  \_\_\_\_\_

4)  $\frac{x}{6} = -11$        $x =$  \_\_\_\_\_

14)  $10 - x = 16$        $x =$  \_\_\_\_\_

5)  $\frac{2x}{3} = -4$        $x =$  \_\_\_\_\_

15)  $-2 - 4x = 14$        $x =$  \_\_\_\_\_

6)  $8x + 5 = 61$        $x =$  \_\_\_\_\_

16)  $10 - \frac{x}{2} = 7.5$        $x =$  \_\_\_\_\_

7)  $-12 = 9 + 3x$        $x =$  \_\_\_\_\_

17)  $5 + x = 17 + 2x$        $x =$  \_\_\_\_\_

8)  $4(x - 6) = 44$        $x =$  \_\_\_\_\_

18)  $6(2 - 3x) = -3(x - 8)$        $x =$  \_\_\_\_\_

9)  $\frac{x}{3} - 5 = -2$        $x =$  \_\_\_\_\_

19)  $\frac{8x - 10}{3} = \frac{4x + 5}{4}$        $x =$  \_\_\_\_\_

10)  $\frac{x + 7}{10} = 5$        $x =$  \_\_\_\_\_

20)  $\frac{1}{2}(4x + 8) = \frac{3}{4}(12x - 16)$        $x =$  \_\_\_\_\_