

## Solving Linear Equations

Solve the following equations to find the value of  $x$ :

1.  $7x + 3 = 5x + 11$

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

9.  $3(2x - 1) = 7(x - 1)$

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

6.  $5 + 2(x + 1) = 11$

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

3.  $6x - 4 = 10 - x$

7.  $2(x + 7) + 4 = 18$

11.  $4(x + 2) + 2(x + 3) = 32$

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

8.  $2(x - 4) = (x + 2)$

12.  $2(2x + 1) - 3(3x - 4) = 40$