

**Solving Equations**  
Emphasis on Multi-Step Linear Equations

Solve each of the following.

1.  $p + 2p - 3 = 6$

2.  $12v + 14 + 10v = 80$

3.  $11w - 9 - 7w = 15$

4.  $5a + 3 - 3a = -7$

5.  $6c - 8 - 2c = -16$

6.  $9 = 7z - 13z - 21$

7.  $-2 = 3y - 18 - 5y$

8.  $23 = -4m + 2 + m$

9.  $3 + 4(z + 5) = 31$

10.  $14 + 2(4g - 3) = 40$

11.  $5m + 2(m + 1) = 23$

12.  $5h + 2(11 - h) = -5$

13.  $27 = 3c - 3(6 - 2c)$

14.  $-3 = 142y - 5(2y - 7)$

15.  $7v - (6 - 2v) = 12$

16.  $\frac{1}{3}(d + 3) = 5$

17.  $\frac{3}{2}(x - 5) = -6$

18.  $\frac{4}{3}(7 - n) = 12$

19.  $4 = \frac{2}{9}(4y - 2)$

20.  $-32 = \frac{8}{7}(3w - 1)$