

# Simplifying and Solving Equations (H)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of the unknown in each equation.

1.  $-7 - 6t = -4 + t$

11.  $-2(g - 3) + 1 = -7g - 4$

2.  $2x - 1 = 8 - 7x$

12.  $-2(1 - 4q) = -7q - 5$

3.  $v - 6 = -5(v + 1) - 3v$

13.  $-3(1 + m) + m = 2m - 3$

4.  $8(h + 1) + h = 4h + 5$

14.  $-9a + 3 = 9a - 9$

5.  $2(f + 3) + 1 = -4f - 7$

15.  $-4(1 - w) + 3w = -3w + 2$

6.  $-b + 3 = -2b - 7$

16.  $4(1 - r) + 9 = 4r$

7.  $-1 + 3s = 4 - 2s$

17.  $-2(2 + k) = -5 - 3k$

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

18.  $2(3p + 2) = 2p + 9$

9.  $-1 - y = -4 + y$

19.  $3(2 - j) + 4 = -5j$

10.  $5z = -5(z + 1) - z + 1$

20.  $-2(d + 3) = 7d - 3$