

# Practice 10

For use with Section 2-2

**Find the opposite and the absolute value of each number.**

1. 5

2.  $-\frac{2}{3}$

3. -4.7

4. 0

5. 8.4

6.  $-5\frac{1}{2}$

**Simplify.**

7.  $|-3|$

8.  $|4.3|$

9.  $|-0.6|$

10.  $|-17|$

11.  $-5 + 17$

12.  $-22 + 9$

13.  $15 + (-16)$

14.  $4 - (-1)$

15.  $-7 - 29$

16.  $33 - (-33)$

17.  $12 - 12$

18.  $19 + (-23)$

19.  $-5.8 + 100$

20.  $-4.2 + (-5)$

21.  $-3 - (-7.8)$

22.  $-6.2 + 10.3$

23.  $(3)(-7)$

24.  $(-4)(-13)$

25.  $(180)(-1)$

26.  $(-2.5)(16)$

**Simplify. Show every step.**

27.  $-5 + (-3)(4) - 7$

28.  $15 - (-9 + 4) - 2$

29.  $-7 - 6(5 - 17)$

30.  $16 - 7 \cdot 5 + 8$

31.  $24 \cdot 3 - (9)(-8)$

32.  $5 + 0.5(-28 + 12)$

33.  $(0.2)(50) - (5 + 19)$

34.  $-2(4 - 7) + 15$

35.  $(-1.5)(6) - 2(3)(-8)$

36.  $\frac{-17 + 9}{3}$

37.  $\frac{5 \cdot 6}{3 - (-4)}$

38.  $\frac{-1 + 10}{-3 - 11}$

**Evaluate each expression for the given values of the variable.**

39.  $5 - c$  when  $c = -12$

40.  $\frac{-p - 13}{4}$  when  $p = -6$

41.  $x^2 - 3$  when  $x = 4$

42.  $-y^2 + y$  when  $y = -2$

43.  $\frac{n - 8}{7}$  when  $n = 1$

44.  $\frac{3 + k}{3 - k}$  when  $k = 0$

45.  $10 - ab$  when  $a = 3$  and  $b = -4$

46.  $0.5xy - x^2$  when  $x = 4$  and  $y = 6$

47.  $\frac{c + d}{cd}$  when  $c = 5$  and  $d = -2$

48.  $\frac{5}{9}(F - 32)$  when  $F = -40$

49. "Par for the course" in golf means the number of strokes a good golfer is expected to take to go around the course. One golfer shoots 5 strokes above par and another shoots 4 strokes below par. What is the difference between their scores?