Name _____ Date _____

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 • 5 + 8

31. 24 • 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?