

Practice B

For use with pages 79–85

Find the difference.

1. $5 - 13$
2. $7 - 16$
3. $8 - (-10)$
4. $-3 - (-11)$
5. $-4 - (-2)$
6. $-17 - 28$
7. $14.4 - (-2.8)$
8. $19.3 - (-23.7)$
9. $-\frac{3}{8} - (-\frac{7}{8})$
10. $\frac{7}{10} - \frac{1}{4}$
11. $14 - |-22|$
12. $-6.7 - |5.2|$

Evaluate the expression.

13. $12 + 5 - 1$
14. $13 - 15 + 4$
15. $18 - 5 - 16$
16. $-4 + 3 + 12$
17. $-28 + 12 - 5$
18. $-33 - 24 + 42$
19. $-6.2 - 4.8 - 2.5$
20. $-4.5 - 3.6 + 2.7$
21. $-4.8 + 7 - 2.9$
22. $6 - (-\frac{2}{3}) - \frac{4}{3}$
23. $-\frac{5}{8} + \frac{10}{4} - (-\frac{1}{8})$
24. $0.8 + 3.9 - (-4.6)$

Evaluate the function for these values of x : -2 , -1 , 0 , and 1 .**Organize your results in a table.**

25. $y = x + 5$
26. $y = x - 4$
27. $y = 11 - x$
28. $y = -x + 9$
29. $y = -x + 8.6$
30. $y = 21 + x$
31. $y = -x - (-15)$
32. $y = -7.5 - (-x)$
33. $y = -x + 16 - x$

34. **Scuba Diving** Conor is scuba diving at a depth of 52.5 feet below sea level. Thirty minutes later, he is at a depth of 38 feet below sea level. What is his change in depth? Did he go up or down?

35. **Planets** The distance between the sun and Mars is approximately 141.6 million miles. The distance between the sun and Earth is approximately 92.9 million miles. How much farther from the sun is Mars than Earth?

36. **Gasoline Prices** The following table shows the weekly prices per gallon of regular gasoline for a month at a gas station. Determine the change in the price per gallon each week. Find the total of these changes to discover the net change in price per gallon.

37. **Temperature High and Low** The table below shows the record high and low temperatures for several cities. Find the difference between the record high and low temperatures for each city. Which city has the greatest temperature difference?

Week	Price per gallon (\$)
1	1.07
2	1.13
3	1.22
4	1.18

City	High Temperature (°F)	Low Temperature (°F)
El Paso, TX	114°	-8°
Milwaukee, WI	103°	-26°
San Diego, CA	111°	29°
Atlantic City, NJ	106°	-11°
Juneau, AK	90°	-22°
Miami, FL	98°	30°