LESSON 2.2 **Practice C**
For use with pages 73–79

Use a number line to find the sum.

1. $-7 + 5$

2. $14 + (-24)$

3. $-13 + (-8)$

4. $19 + (-5)$

5. $-10 + 16$

6. $-9 + (-12)$

Find the sum.

7. $-12.5 + 3.2$

8. $17.6 + (-4.8)$

9. $-6.4 + (-17.5)$

10. $-6\frac{3}{8} + 10\frac{1}{2}$

11. $8\frac{2}{5} + \left(-6\frac{1}{3}\right)$

12. $-4\frac{5}{9} + 2\frac{5}{6}$

13. $4.21 + (-3.6) + 2.4$

14. $-7.25 + 6.3 + (-2.5)$

15. $-4\frac{1}{3} + \left(-6\frac{1}{2}\right) + 8\frac{5}{12}$

Evaluate the expression for the given value of x.

16. $2.4 + x + (-1.8); x = -6.8$

17. $4.2 + |-x| + (-6.8); x = 6$

Solve the equation.

18. $-3 + x + 14 = 6$

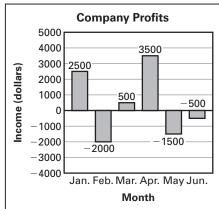**19.** $x + (-3.4) + 8.6 = 0$

20. $-9.8 + x + 6.2 = 0$

21. Barometer A barometer is a mercury-filled instrument that measures air pressure. This instrument is used to predict weather changes by recording the height of the mercury (in inches) inside the barometer. The changes in the height of the mercury in a barometer over a 48-hour period are shown in the table. What is the total change in the barometer reading during the 48-hour period?

Number of hours	0	8	16	24	32	40	48
Change (inches)	0	0.02	−0.06	0.03	0.06	−0.01	−0.02

22. Walking Dogs You have a part-time job walking dogs during the summer. The home of the first dog is about 3.5 miles west of your house. The home of the second dog is about 5.5 miles east of the home of the first dog. The home of the last dog is 3.25 miles west of the home of the second dog. How far away from your house are you after you walk the last dog? *Explain* your reasoning.

23. Company Profits The graph shows the profits earned by a small company during the first six months of the year. Did the company make a positive profit for the first six months? If so, how much?

Company Profits