Name _____ Date _____

LESSON 2.3

# Practice B

*For use with pages 80–85*

**Find the difference.**

**1.** $12 - (-7)$ **2.** $22 - (-28)$ **3.** $-6 - (-13)$

**4.** $-15 - (-9)$ **5.** $5.8 - (-7.9)$ **6.** $-4.1 - (-3.6)$

**7.** $-6.2 - (-3.6)$ **8.** $3.8 - (-5.9)$ **9.** $-2.6 - (-10.2)$

**10.** $\frac{1}{3} - \frac{4}{9}$ **11.** $\frac{1}{2} - \left(-\frac{7}{8}\right)$ **12.** $-\frac{2}{3} - \left(-\frac{3}{8}\right)$

**Evaluate the expression when $x = -6.4$ and $y = 10.8$.**

**13.** $y - x$ **14.** $x - (-y)$ **15.** $x - y$

**16.** $-y - x$ **17.** $x - y - 2.6$ **18.** $y - 5.4 - x$

**19.** $-7.3 - x + y$ **20.** $6.4 + y - x$ **21.** $10.8 - x - y$

**22.** $y - (-x) + 6.4$ **23.** $7.2 + y - x$ **24.** $4.25 - x - y$

**Find the change in temperature or elevation.**

**25.** From 15°C to −5°C

**26.** From −250 meters to 175 meters

**27.** **Planet Temperatures** The average temperature on the surface of Venus is 480°C and the average temperature on the surface of Mars is −65°C. How many degrees hotter is the temperature on Venus' surface than on Mars' surface?

**28.** **Manned Submersibles** Alvin, a manned submersible used in deep-sea exploration, has a maximum depth of −14,764 feet. Its first untethered dive was −35 feet. How many feet deeper is Alvin's maximum depth than the depth of its first dive?

**29.** **Banana Prices** The table shows the weekly prices (in dollars) of a pound of bananas during a month at a local supermarket. Determine the change in the price per pound each week. Find the total of these changes to determine the total change in the price per pound over the 4 weeks.

| **Week** | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| **Price per pound (dollars)** | 0.49 | 0.49 | 0.39 | 0.49 |

**30.** **State Temperatures** The table shows the record high and low temperatures for several states. Find the difference between the record high and low temperatures for each state. Which states have the greatest temperature difference?

| **State** | Alaska | North Dakota | Wyoming | Virginia | Nevada |
|---|---|---|---|---|---|
| **High temperature (°F)** | 100° | 121° | 115° | 110° | 125° |
| **Low temperature (°F)** | −80° | −60° | −66° | −30° | −50° |

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