Name _____ Date _____

LESSON 2.4

Practice B

For use with pages 87–93

Find the product.

1. $10(-9)$

2. $-12(-3)$

3. $-11(7)$

4. $2.6(-8)$

5. $-3.2(15)$

6. $-9.5(5)$

7. $-\frac{1}{2}(28)$

8. $-\frac{2}{3}(-21)$

9. $\frac{4}{5}(-20)$

10. $-6(4)(-3.5)$

11. $-2.1(-10)(-5)$

12. $-6.5(21)(-6)$

Identify the property illustrated.

13. $5.6 \cdot (-3.2) = -3.2 \cdot 5.6$

14. $0 \cdot 2.1 = 0$

15. $-1 \cdot (-1.5) = 1.5$

Find the product. Justify your steps.

16. $-3(-5)(-4x)$

17. $-\frac{3}{4}(-20)(7y)$

18. $8x(4.2)(-5)$

Name _____ Date _____

LESSON 2.4

Practice B *continued*

For use with pages 87–93

Evaluate the expression when $x = -3$ and $y = 4.1$.

19. $x + 2y$

20. $y - 4x$

21. $5.2x - y$

22. $xy - 10.1$

23. $14.3 - xy$

24. $3x - |y|$

25. Death Valley The lowest point in North America is Death Valley, California. Its elevation is at -86 meters. What is this elevation in feet? *Hint:* Use the fact that 1 meter $\approx$ 3.281 feet.

26. Lava Flow A kind of lava, block lava, is moving away from the base of a volcano at a rate of 1.5 meters per day. If the lava continues to flow at this rate, how far away has the lava flowed from the base of the volcano in 30 days?

27. Snow Melt After a recent snowfall, the snow on the ground in a shaded area is melting at a rate of 0.01 inch per minute. Currently, there are 4 inches of snow on the ground. If the snow continues melting at this rate, how much snow will be on the ground in 6 hours? How much snow has melted?

28. City Population In 1990, the population of the Pittsburgh, Pennsylvania area was 1679 thousand people. The table shows the average rate of change in the population for two periods of time. Find the total population in 2000 and 2002.

Time period	Rate of change (thousand people/yr)
1990–2000	-3.7
2000–2002	-6.5