

LESSON
2.4**Practice A***For use with pages 87–93***Find the product.**

1. $-6(7)$

2. $10(-4)$

3. $-8(-7)$

4. $15(-2)$

5. $-9(8)$

6. $-4(12)$

7. $14\left(-\frac{1}{2}\right)$

8. $-\frac{1}{3}(24)$

9. $-\frac{2}{5}(-10)$

10. $4(-1.3)$

11. $10(-3.6)$

12. $-5.1(-20)$

Identify the property illustrated.

13. $-5 \cdot 0 = 0$

14. $7 \cdot (-6.2) = -6.2 \cdot 7$

15. $-12.5 \cdot 1 = -12.5$

16. $-1 \cdot 24 = -24$

17. $(x \cdot 4) \cdot 3 = x \cdot (4 \cdot 3)$

18. $1.25 \cdot (-6) = -6 \cdot 1.25$

19. $-10.8 \cdot 1 = -10.8$

20. $0 \cdot (-6.4) = 0$

21. $-6.5 \cdot (-1) = 6.5$

Find the product. Justify your steps.

22. $x(-3)(-2)$

23. $-21(-y)$

24. $\frac{1}{2}(-6m)$

25. $6y(-2)$

26. $8\left(-\frac{1}{2}x\right)$

27. $4x(-3)$

Evaluate the expression when $x = 5$ and $y = -2$.

28. xy

29. $2y + x$

30. $-3x + y$

31. $-4x - y$

32. $y - 6x$

33. $10xy$

34. Draining Water Water is being drained out of a tank. The average rate of change of water in the tank is -10 cubic feet per minute. Find the amount of water that has been drained out of the tank after 5 minutes.

35. Continents The elevation of the lowest point in Asia, the Dead Sea, is 10 times lower than the elevation of the lowest point in South America, the Valdés Peninsula. If the elevation of the Valdés Peninsula is -40 meters, what is the elevation of the Dead Sea?

36. Outboard Motor The outboard motor on a small boat has a 12-liter gas tank. The average rate of change of tank fuel when the outboard motor is burning fuel is -2 liters per hour. If the tank starts out full, find out how much gas is left after 3 hours of use.

37. Bike Tire There is a slow leak in your bike tire. The average rate of change of air in your tire is -2 pounds per square inch per day. The amount of air in your tire is now 70 pounds per square inch. Find the amount of air that will be in your tire in 5 days.