

Chapter Test B

For use after Chapter 3

Perform any indicated operation. Round the result to the nearest tenth and then to the nearest hundredth.

17. $-57.124 \div 10.104$ 18. $-13.254(-3.145)$

Solve the equation. Round the result to the nearest hundredth.

19. $1.59x + 4.23 = 3.56x + 2.12$
 20. $-3(1.25 - 2.48x) = 8.15x + 5.86$

Multiply the equation by a power of 10 to write an equivalent equation with integer coefficients.

21. $4.15x + 3.01 = 10.9x + 1.29$ 22. $1.596y - 3.08 = 0.9y$

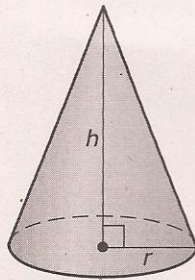
Solve for the indicated variable.

23. Volume of a Cone

Solve for h : $V = \frac{\pi r^2 h}{3}$

24. Temperature Formula

Solve for C : $F = \frac{9}{5}C + 32$



Rewrite the equation so that y is a function of x .

25. $\frac{2}{3}y + 4 = 2x$ 26. $\frac{1}{2}(y + 5) + 4x = 3x$

27. Use the result in Exercise 25 to find y when $x = -1, 0,$ and 2 .

28. Use the result in Exercise 26 to find y when $x = -1, 0,$ and 2 .

29. A store sells 28 ounces of peanut butter for \$2.24. The store also sells 32 ounces of the same peanut butter for \$2.40. Which is the better buy?

In Question 30, convert the measure. Round your answer to the nearest tenth.

30. 147 miles to kilometers (1 mile = 1.609 kilometers)

31. A waiter typically receives about 15% of a total food bill as a tip. To earn a total of \$50 in tips, about how much food would the waiter have to sell?

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