

CHAPTER **Quiz****1** **Lessons 1-1 Through 1-5**

Select the best answer.

- Order the numbers π , $\frac{10}{3}$, -3.34 , $3.\bar{2}$, 0 from least to greatest.
 - $-3.34, 0, \pi, 3.\bar{2}, \frac{10}{3}$
 - $-3.34, 0, 3.\bar{2}, \pi, \frac{10}{3}$
 - $0, \pi, 3.\bar{2}, \frac{10}{3}, -3.34$
- Use interval notation to represent $-9 < x \leq 9$.
 - $\{x \mid -9 < x \leq 9\}$
 - $(-9, 9)$
 - $[-9, 9]$
- What is the property demonstrated by $3 \cdot (4 + 5) = (3 \cdot 4) + (3 \cdot 5)$?
 - Associative Property
 - Commutative Property
 - Distributive Property
- Use mental math to find the 15% tip for a \$22.80 restaurant bill.
 - \$1.14
 - \$3.42
 - \$4.56
- Estimate $\sqrt{28}$ to the nearest tenth.
 - 5
 - 5.1
 - 5.3
- Simplify $\frac{3\sqrt{2}}{\sqrt{7}}$.
 - $\frac{3\sqrt{14}}{7}$
 - $\frac{3\sqrt{14}}{\sqrt{7}}$
 - $\frac{42}{7}$
- Simplify $7\sqrt{7} + \sqrt{28}$.
 - $9\sqrt{7}$
 - $11\sqrt{7}$
 - 63
- Evaluate $2y - xy - 4x$ for $x = 4$ and $y = -2$.
 - 28
 - 16
 - 12
- Simplify $y(6y + 2x) - xy + 11y^2$.
 - $17y^2 - xy$
 - $17y^2 + xy$
 - $17y^2 + 2xy$
- Evaluate 2^{-4} .
 - $\frac{1}{16}$
 - $\frac{1}{8}$
 - 16
- Simplify $\left(\frac{2xy^4}{x^8}\right)^3$. No variable = 0.
 - $\frac{4y^{12}}{x^{21}}$
 - $\frac{8y^{12}}{x^{21}}$
 - $\frac{8y^{12}}{x^{27}}$
- Evaluate the expression $\frac{2.0 \times 10^{10}}{8.0 \times 10^{-2}}$. Write the answer in scientific notation.
 - 2.5×10^7
 - 0.25×10^{12}
 - 2.5×10^{11}

CHAPTER 1

Section Quiz Lessons 1-1 Through 1-5

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|------|-------|
| 1. A | 7. A |
| 2. H | 8. H |
| 3. C | 9. B |
| 4. G | 10. F |
| 5. C | 11. B |
| 6. F | 12. H |