
Benchmark 3 (Homework 1)

Chapter 1 Assessment • Form A

Circle the answer.

- Which of the following statements is true?
A. $-8 > -7$ B. $9 < 3$
C. $0 > -3$ D. $0 > 4$
- The product $(-3)(5)(-8)(15)$ is:
F. positive G. negative
H. zero J. Not Here
- In which quadrant does the point $(-5, 12)$ lie?
A. I B. II C. III D. IV
- Let a be any integer, except zero. Which statement is *never* true?
F. $|a| = -a$ G. $|a| > 0$
H. $a > -a$ J. $-|a| = |a|$

Chapter 2 Assessment • Form A

Circle the letter of the best answer.

- Which word describes the equation $17 = t - 5$?
A. true B. false C. open D. not given
- Which property does $a + 11 = 11 + a$ illustrate?
A. commutative property of multiplication
B. commutative property of addition
C. associative property of multiplication
D. associative property of addition
- Which of the following is a solution of the equation $5x + 4 = 14$?
A. 2 B. -2 C. 3 D. 1
- Which is *not* equal to $2(x + 5)$?
A. $2x + 10$ B. $(x + 5)2$ C. $2(5 + x)$ D. $2x + 5$

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Chapter 4 Assessment • Form A

Circle the letter of the best answer.

- Evaluate 3^5 .
A. 15 B. 125 C. 243 D. 81
- Evaluate $8 - 3^2$.
F. -25 G. 25 H. 1 J. -1
- Evaluate cd^2 for $c = 3$ and $d = -1$.
A. -3 B. 3 C. -9 D. 9
- Simplify $y^3 \cdot y^2 \cdot y^4$.
F. y^9 G. y^{24} H. $24y^4$ J. $2y^7$
- Simplify $\frac{h^3}{h^8}$.
A. h^2 B. $\frac{3}{8}h$ C. h^5 D. $\frac{1}{h^5}$
- Simplify $(x^5)^2$.
F. x^{10} G. x^7 H. $2x^5$ J. x^{25}
- Simplify $\frac{5x^3y^4}{15xy^6}$.
A. $3x^2y^2$ B. $\frac{x^2}{3y^2}$ C. $\frac{x^3}{3y}$ D. $3x^3y^2$
- Express 207,500 in scientific notation.
F. 2.75×10^5 G. 2.075×10^6 H. 2.075×10^5 J. 2.75×10^6
- Express 7.02×10^{-5} in standard notation.
A. 702,000 B. 70,200 C. 0.00000702 D. 0.0000702
- 38,220 is *not* divisible by which of the following?
F. 2 G. 3 H. 5 J. 9
- In which of the following are the numbers in order from least to greatest?
A. 5×10^{-4} , 40×10^{-5} , 0.6×10^{-3} B. 7.2×10^{-6} , 6.8×10^{-5} , 73×10^{-6}
C. 4.2×10^{-3} , 45×10^{-4} , 0.32×10^{-2} D. 9.8×10^{-2} , 8.4×10^{-3} , 85×10^{-2}