

Chapter 8 Test, Form 1

SCORE _____

Write the letter for the correct answer in the blank at the right of each question.

- | | |
|---|--------------------------|
| 1. Find $(2a - 5) - (3a + 1)$.
A $5a + 6$ B $a - 4$ C $-a - 6$ D $-a - 4$ | 1. _____ C _____ |
| 2. Find $3m^2(2m^2 - m)$.
F $5m^4 - 3m^2$ G $6m^4 - 3m^2$ H $5m^4 - 3m$ J $6m^4 - 3m^2$ | 2. _____ J _____ |
| 3. Simplify $3(x^2 + 2x) - x(x - 1)$.
A $4x^2 + x$ B $2x^2 + 7x$ C $2x^2 + 3x$ D $2x^2 + 5x$ | 3. _____ B _____ |
| 4. Find $(2n - 3)(n + 4)$.
F $3n + 1$ G $2n^2 + 5n - 12$ H $2n^2 - 12$ J $2n^2 + 11n + 1$ | 4. _____ G _____ |
| 5. Factor $xy + 3x - 2x^2$ completely.
A $x(y + 3 - 2x)$ B $(2x - 3y)(y + x)$ C $x(y + 3) + 2x$ D $y(x + 3x - 2x^2)$ | 5. _____ A _____ |
| 6. Solve $b(b + 17) = 0$.
F $\{0, \frac{1}{17}\}$ G $\{-17, 0\}$ H $\{0, 17\}$ J $\{17\}$ | 6. _____ G _____ |
| 7. Factor $m^2 + 13m + 42$.
A $(m + 1)(m + 13)$ B $(m + 6)(m + 7)$ C $(m + 10)(m + 3)$ D $(m - 6)(m - 7)$ | 7. _____ B _____ |
| 8. Find $(3y - 1)^2$.
F $6y^2 - 6y + 1$ G $9y^2 - 6y + 1$ H $9y^2 - 3y + 1$ J $9y^2 - 6y - 1$ | 8. _____ G _____ |
| 9. The area of a rectangle is $(y^2 - 8y + 15)$ square inches. Which expression represents a possible length for the rectangle?
A $(y + 5)$ B $(y - 2)$ C $(y - 15)$ D $(y - 3)$ | 9. _____ D _____ |
| 10. Solve $3(2n - 6) = -4(n - 3)$.
F 3 G $\frac{2}{5}$ H 6 J $1\frac{4}{5}$ | 10. _____ F _____ |
| 11. Solve $(3n - 9)(n + 7) = 0$.
A $\{-7, 3\}$ B $\{7, -3\}$ C $\{-7, -3\}$ D $\{7, 3\}$ | 11. _____ A _____ |

Chapter 8 Test Form A Algebra 1

Kathleen Armour



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