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| **Elementary Algebra: Basic Operations with Polynomials)** |
| 2.  | Which of the following expressions represents the product of 3 less than twice *x* and 2 more than the quantity 3 times *x* ?**A.** –6*x*2 + 25*x* + 6**B.** 6*x*2 + 5*x* + 6**C.** 6*x*2 – 5*x* + 6**D.** 6*x*2 – 5*x* – 6**E.** 6*x*2 – 13*x* – 6  |
| **(Elementary Algebra: Substituting Values into Algebraic Expressions)** |
| 3.  | If *x* = –1 and *y* = 2, what is the value of the expression 2*x*3 – 3*xy* ?**A.** 8**B.** 4**C.** –1**D.** –4**E.** –8  |
| **(Intermediate Algebra: Rational Expressions)** |
| 4.  | For all *r*is not equal to plus or minus 2, (r squared - 5r + 6) over (r squared - 4 = ?**A.**(r - 3) over (r + 2) **B.**(r - 2) over (r + 2) **C.**(r - 2) over (r + 3) **D.**(r + 3) over (r - 2) **E.**(r + 3) over (r + 2)  |
| **(Coordinate Geometry: Linear Equations in Two Variables)** |
| 5.  | What is the equation of the line that contains the points with (*x*,*y*) coordinates(–3,7) and (5,–1) ?**A.** *y* = 3*x* – 2**B.** *y* = *x* + 10**C.** *y* = –1/3*x* + 8**D.** *y* = –3/2*x* + 11/4**E.** *y* = –*x* + 4  |

**Answers:**

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| 1. D | 2. D | 3. B | 4. A | 5. E |