

P.E.R.T. Math Module 6 Quiz

1. Translate into an algebraic expression: “Four more than the quotient of five and m .[”]
a) $5m + 4$ b) $\frac{5}{m} + 4$ c) $(4 + 5)m$ d) $4m + 5$

2. Evaluate the expression $-b + 2a^2c$ when $a = -3$, $b = -1$, and $c = 2$
a) -11 b) 35 c) 37 d) -37

3. Simplify: $-6[8 - 5(2 - 4x) - 13x]$
a) $-42x + 12$ b) $72x + 42$ c) $102x + 12$ d) $102x - 36$

4. Translate into an algebraic expression: “Six less than the product of nine and a number.”
a) $6 - 9n$ b) $9n - 6$ c) $6 < 9n$ d) $6n + 9$

5. Simplify: $-(4a + 5) + 3(-2a + 1)$
a) $10a - 2$ b) $-10a - 8$ c) $-10a + 8$ d) $-10a - 2$

Answer Key

1. B
2. C
3. A
4. B
5. D