

Name:

This quiz covers: P.1

Directions: Complete all questions and **show all applicable work.** Partial credit will be given. All questions are equally weighted.

1.) Evaluate and simplify the expression $\frac{x^2 - 4(x - y)}{1 + y}$ for $x = 8$ and $y = 3$.

2.) The speed of a projectile can be approximated by the formula $v = -3t^2 + 2t + 50$, where t is time in seconds and v is the velocity in meters. What is the approximate speed of the projectile when 3 seconds has elapsed?

3.) Simplify the expression:

$$5(3y - 2) - (7y + 2)$$