

Algebra II Practice Quiz 1.4**Short Answer**

1. (5 points) Write an algebraic expression to represent the number of letters Isabel wrote. Isabel wrote 10 letters to friends each month for x months in a row.
2. (5 points) Evaluate the expression $g + s$ for $g = 9$ and $s = 3$.
3. (5 points) Evaluate $6 + x - 9 \bullet 7$ for $x = 7$.
4. (5 points) Simplify the expression $s^2 - 3s + t + 5s^2$.
5. (5 points) Murphy's motorcycle gets 55 miles per gallon of gas on the highway and 45 miles per gallon in the city. The motorcycle holds 8 gallons of gas. Write and simplify an expression for the total number of miles Murphy can travel if he has a full tank of gas but uses 2 gallons on the highway and the rest in the city.

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Answer Section

SHORT ANSWER

1. $10x$
2. 12
3. ≈ 50
4. $6s^2 - 3s + t$
5. $10x + 36$; 380 miles