EOC Tutoring Reporting Category 2 (A4A) Polynomial Expressions

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Solve the polynomial expressions below.

1. Find the dimensions of a room if the area of the room is $5x^2 + 12x + 4$.

2. Find the perimeter of a rectangle with a length of $(3a^2 - 2)$ and a width of $(5a^2 + 6)$.

3. Find the missing side of the rectangle if the perimeter is $30x^2 - 78x + 12$.

4. Find the area of Ronny's Rectangular kitchen if the width is (x + 7) feet and the length is $(x^2 + 5x - 9)$ feet.

5. The length of a square rug is (4x - 3) feet. Find the area of the rug.

6. The length of a rectangular room is 4 more than three times the width. Find the perimeter and area of the room.

7. The length of a rectangular field is 8 less than twice the width. Find the perimeter and area of the field.

8. Find the volume of a rectangular prism with a length of (3x - 4) a width of (2x - 1) and a height of (2x).

9. The area of a rectangular quit measures $2x^2 + 3x - 5$. If the length is (x - 1) what is the width?