EOC Tutoring Reporting Category 2 (A4A)
Polynomial Expressions

Name $\qquad$
Period $\qquad$

Solve the polynomial expressions below.

1. Find the dimensions of a room if the area of the room is $5 x^{2}+12 x+4$.
2. Find the perimeter of a rectangle with a length of $\left(3 a^{2}-2\right)$ and a width of $\left(5 a^{2}+6\right)$.
3. Find the missing side of the rectangle if the perimeter is $30 x^{2}-78 x+12$.

4. Find the area of Ronny's Rectangular kitchen if the width is $(x+7)$ feet and the length is $\left(x^{2}+5 x-9\right)$ feet.
5. The length of a square rug is $(4 x-3)$ 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 $(3 x-4)$ a width of $(2 x-1)$ and a height of (2x).
9. The area of a rectangular quit measures $2 x^{2}+3 x-5$. If the length is $(x-1)$ what is the width?
