

Solve.

1. The area of a rectangle is $(2x^2 - 11x + 5)$. If the length is $(2x - 1)$, find the width.
2. Find the quotient when $(2x^2 + 5x + 2)$ is divided by $(x + 2)$.
3. The area of a rectangle is $(3x^2 + 7x + 2)$. If the width is $(3x + 1)$, find the length.
4. The area of a rectangle is given by the equation $4L^2 - 7L = 15$, in which L is the rectangle's length. What is the length of the rectangle?
5. The area of a triangle is given by the equation $x^2 - 3x = 54$ where x is the height of the triangle. What is the value of x ?