Factoring - Day 4 Name_____
Assignment Date_____ Period____

Solve.

1. The area of a rectangle is $(5x^2 - 8x - 4)$. If the length is $(x - 2)$, find the width.

2. Find the quotient when $(4x^2 + 8x + 3)$ is divided by $(2x + 1)$.

3. The area of a rectangle is $(6x^2 + 5x - 4)$. If the width is $(3x + 4)$, find the length.

4. Gina has a bedroom with an area of $25x^2 = 9$ square units in which $x$ represent the length of the room. What is the length of her bedroom?

5. A rectangular poster has an area of $2w^2 - 9w = -10$ square units, in which $w$ is the poster's width. What is the width of the poster?

6. 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 $x$?