Word Problems Using Polynomial Equations B

Name:_____   Period:_____

Directions: Solve each word problem by setting up an equation and solving by factoring with the X-Game.
Show all work. Don't forget to answer the question with a complete sentence.

1. A poster's height is twice minus 5 in than its width. The area of the poster is 1125 in². What are the poster's dimensions?

2. A picture of the school has a width that is twice plus 15 cm more than its height. The area of the picture is 6300 cm². What are the picture's dimensions?

3. Betty made a quit where the length is twice minus 25 in its width. The area of the quilt is 5700 in². What are the dimensions of Betty's quilt?

4. Victor bought a new flat screen TV where the width is twice minus 5 in longer than its height. The area of the screen 3,000 in². What are the dimensions of Victor's new TV?

5. A park's length is 3 times plus 5 meters its width. The area of the park is 2,000 m². What are the dimensions of the park?