

Name _____ Date _____ Per _____

Factoring Polynomials with 4 terms Homework Assignment

Underline key words, draw and label a diagram, and answer the question in a full sentence.

1.) Gabriel Vasquez is determined to make a rectangular golf putting green in his backyard to practice his aim in golf. The area of the rectangular putting green in square feet can be represented by $(3x^3 + 6x^2 + 4x + 8)$. If the width of the putting green is $(x + 2)$ ft, what is the length of the putting green?

If $x = 4$ and the cost for the plastic lining of the putting green costs \$2.00 per foot, what is the cost of the plastic lining?

If $x = 4$ and the cost of the putting green material costs \$10.00 per square foot, what is the cost of the putting green material?

What will the total cost of the putting green cost Gabriel Vasquez?