Class Discussion

Unit 2 Topic 1 Part 2 Review of a Quadratic Functions

Objective: Application of modeling the world with quadratic functions

[Frame Making]

A frame of certain with around a bulletin board is about to be manufactured. If the width of the frame width is the same all around the bulletin board and the dimension of the board is 2 feet x 3 feet. What would be the width of the board if the total area of the frame (and the frame only) is $1 ft^2$. Approximate the width to the nearest tenth inches

[Hannah's card]

By using a string, Hannah wants to make a rectangular shape (as a talk bubble) on a birthday card. If the string is 20 inches long. What is the maximum rectangular area she can make? What is the dimension of the rectangle?