

A rectangular painting has dimensions $2x$ and $x + 5$. The painting is in a frame 2 in. wide. The total area of the picture and the frame is 900 in.^2 . What are the dimensions of the painting?

Your community wants to put a square fountain in a park. Around the fountain will be a sidewalk that is 3.5 ft wide. The total area that the fountain and sidewalk can be is 1400 ft^2 . What are the dimensions of the fountain?

The Garys have a triangular pennant of area 420 in.^2 flying from the flagpole in their yard. The height of the triangle is 10 in. less than 3 times the base of the triangle. What are the dimensions of the pennant?