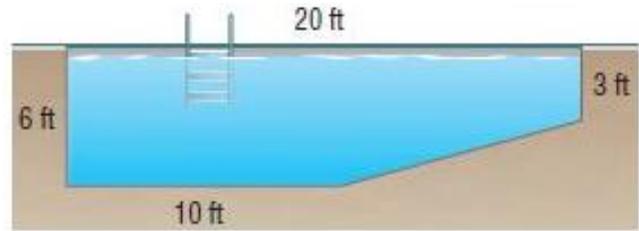


Geometry
Chapter 12 Test

Name _____ Hour _____

The base of a rectangular swimming pool has a slope so one end of the pool is 6 feet deep and the other end is 3 feet deep. The length of the pool is 20 feet and the width across is 15 feet.



Make a scale model from paper or cardstock or something like that. Use this picture as a guide. Be very precise in your scaling. If you do not have a ruler and you cannot print a ruler online, then use graph paper for your scaling. If you do not have graph paper then use lined paper as your measuring tool. Get creative.

Determine the surface area of the interior of the pool so you can determine the amount of rubber pool paint required to coat the walls and floor. Each gallon of paint covers 250 square feet and 2 coats of paint are required. A gallon of paint is \$160.

Submit your test as an email. I will need three things:

First, you will build a 3D model of the pool. I want a picture of you holding your model. I want a good shot of the model so I can assess it for accuracy, but I also want to see that it is you holding the model.

Second, I want your calculations for the square footage of the pool surfaces. This paper will have a net (flattened picture) for the pool or you can draw the walls and bottom of the pool separately. Use pictures/drawings and write out your calculations for all the parts of the pool.

Third, include 9% tax (for Peoria) and determine the amount of money spent on paint for the pool. Remember the pool needs two coats of paint.

The second and third parts can be on the same paper and submitted as a picture, also.