**Circular Patio Design Activity**

*In this activity you will be designing a circular patio with a design of two types of bricks. The design of the patio and it’s requirements are listed below. You will need to determine the total area of each part of the design and the final cost of the patio.*

The diameter of the circular patio is 20 feet long and each red sector has an angle measure of 20 degrees.

A blue brick sells for $1.34 and has dimensions of 3 inches by 8 inches and a red brick sells for $1.89 and has dimensions of 2.5 inches by 6 inches.

1) What is the total area of the red sectors?

2) What is the total area of the blue sectors?

3) How many red and blue bricks will you need to purchase?

4) How much will each section cost you to fill? What is the total cost of the patio?