Volume of a Torus

Practice Your Understanding

Name: _____
Date: _____

1. Write down the equation for calculating the volume of a torus below:

2. Using this formula calculate the volume of a torus that has a minor radius of 4.3 m and a major radius height of 17.2 m. Show all work and record your answer below:

3. Given the volume of a torus to be 6659.32 m^3, and a major radius to be 8.5 m, find the minor radius of the torus. You can use a calculator for this problem, but show all the steps you would take to solve this problem and record your answer below:

4. What is the volume of a torus that has a minor radius of 0.34 m and a major radius of 0.44 m? What would you call a torus of this type? Show all work and record your answer below: