GroupWork 5.1 7-2-12

1. The formula $V=x^3$ can be used to find the volume of a cube with side length x. Find the volume of a cube with side length 7 meters.

2. Suppose the cube in question (1) had side length $3y^4$. What is the volume?

3. Suppose a cylinder has radius 4x and height $5x^3$. What is the volume of the cylinder? (Recall $V_{cylinder} = \pi r^2 h$)