Name _____

Approximation

Estimate the Volume.

1) A cylindrical water tank has a radius of approximately 4.3 feet and a height of 10.2 feet. Estimate the volume of the water tank using $\pi = 3.14$.	2) A storage container has a length of about 9.8 meters, a width of 5.2 meters, and a height of 6.3 meters. Estimate the volume of the container.
3) A small box is shaped like a cube with each side measuring approximately 7.4 centimeters. Estimate the volume of the box.	4) A soup can has a radius of approximately 3.1 inches and a height of 7.4 inches. Estimate the volume of the soup can using $\pi = 3.14$.
5) A cylindrical pillar has a radius of approximately 1.8 meters and a height of 12.6 meters. Estimate the volume of the pillar using $\pi = 3.14$.	6) A storage cube has a side length of approximately 4.6 feet. Estimate the volume of the cube.
7) A rectangular fish tank has a length of approximately 15.8 inches, a width of 9.2 inches, and a height of 11.3 inches. Estimate the volume of the tank.	8) A cylindrical jar has a radius of approximately 3.8 inches and a height of 15.6 inches. Estimate the volume of the jar using $\pi = 3.14$.