

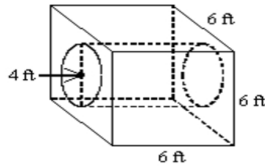
Name:

Period:

Date:

Practice Worksheet:
How do find the surface area and volume of composite solids?

1. A concrete block has a cylindrical hole 4 feet in diameter drilled through it to allow a pipe to pass through. How many cubic feet of concrete are left in the block? Round your answer to the nearest tenth.



2. A regular square pyramid just fits inside a cube (the base of the pyramid is congruent to a face of the cube and the height of the pyramid is equal to the height of the cube). A right cone also just fits inside the same cube (the diameter of the base of the cone, the height of the cone, and the height of the cube are all equal). Which has the larger volume, the cone or the square pyramid?

3. The figure shown is a cylindrical solid with a circular cylindrical hole drilled out of the center. Find the exact surface area of the resulting solid.

