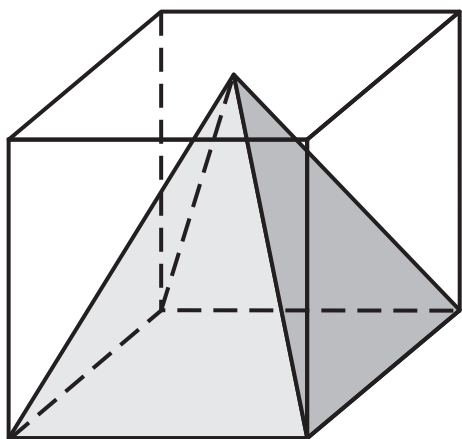NAME _____ DATE _____

Visual Approach Lesson Opener

For use with pages 752–758

1. Use each of the words *cone*, *cylinder*, *prism*, and *pyramid* twice
to complete the statements about the two diagrams below.

   a. A _____ is inscribed in a _____.

   b. A _____ is inscribed in a _____.

   c. _____ is to _____ as _____ is to _____.
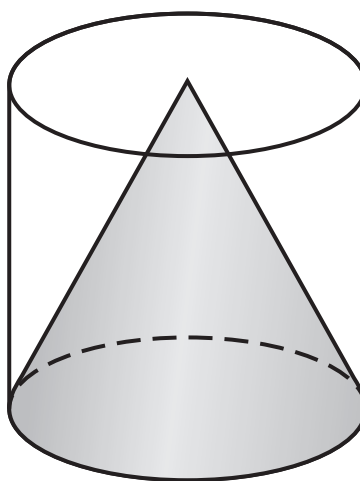
2. Three congruent pyramids fit inside a cube as shown below. The
base of each pyramid is one of the faces of the cube. Compare
the volume of one pyramid to the volume of the cube.
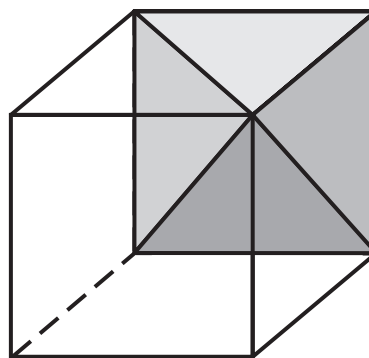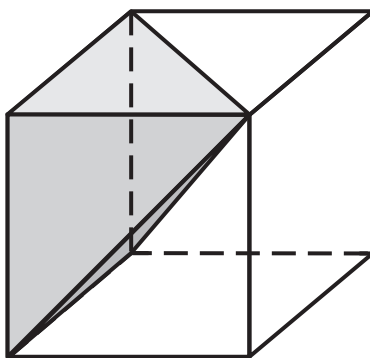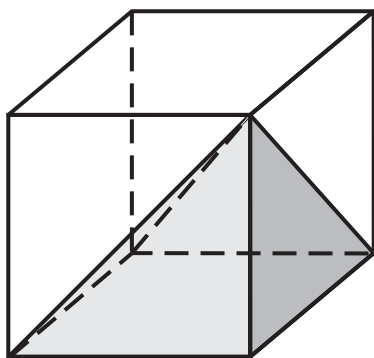
3. Use the relationship in Question 2 to make some conjectures
about the volumes of the four solids shown in Exercise 1.