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A solid figure has three dimensions. Prisms have sides that are rectangles. Pyramids have sides that are triangles that meet at one point. Cones and cylinders have circular bases and curved surfaces.

A sphere is a solid figure shaped like a ball.

A cube is a rectangular prism with all edges the same length.

**Read each problem. Circle the letter of the best answer.**

1. What is the name of this solid figure?
   - A hexagonal prism
   - B hexagonal pyramid
   - C pentagonal prism
   - D pentagonal pyramid

   The sides of this solid are rectangles, so it is a prism. The bases are hexagons, so it is a hexagonal prism. The correct answer is A.

2. The base of this solid figure is a square. What is the name of the figure?
   - A cube
   - B cone
   - C square prism
   - D square pyramid

3. Which figure appears to be a cube?
   - A
   - B
   - C
   - D

4. What figures are shown in this picture?
   - A 1 cone and 2 spheres
   - B 1 cone and 2 cylinders
   - C 1 sphere and 2 cones
   - D 1 sphere and 2 cylinders
Read each problem. Write your answers.

5 The base of this solid figure is a pentagon.

A What is the name of this solid figure?

Answer: ________________________________

B Explain how you found your answer.
___________________________________________________________________________________
___________________________________________________________________________________
___________________________________________________________________________________

6 The solid figure shown below has two triangular bases and three rectangular sides.

A What is the name of this solid figure?

Answer: ________________________________

B An octagonal prism has two octagonal bases. How many sides does it have? What shape are the sides?

Answer: ________________________________

C Explain how you found your answer to part B.
___________________________________________________________________________________
___________________________________________________________________________________
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