Volume & surface area of 3D shapes

Grade 6 Geometry Worksheet
Find the volume and surface area.

1.  
   ![Cube with side lengths 5 in, 6 in, and 6 in]

2.  
   ![Rectangular prism with dimensions 8.6 in, 5 in, 7 in, and 6 in]

3.  
   ![Cube with side lengths 4 in, 4 in, and 5 in]

4.  
   ![Rectangular prism with dimensions 5 in, 5 in, 3 in, and 5 in]
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Find the volume and surface area.

1. [Cube with sides 5 in, 6 in, 6 in]
   \[ V = 180 \text{ in}^3 \quad \text{SA} = 192 \text{ in}^2 \]

2. [Rectangular prism with sides 6 in, 5 in, 7 in, height 6 in]
   \[ V = 105 \text{ in}^3 \quad \text{SA} = 158.6 \text{ in}^2 \]

3. [Cube with sides 4 in, 4 in, 4 in]
   \[ V = 80 \text{ in}^3 \quad \text{SA} = 112 \text{ in}^2 \]

4. [Rectangular prism with sides 3 in, 5 in, 5 in, height 5 in]
   \[ V = 75 \text{ in}^3 \quad \text{SA} = 110 \text{ in}^2 \]