**PRACTICE: SURFACE AREA AND VOLUME Practice Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* **Read directions**
* **Draw pictures if needed**
* **Show work!**

1. Find the volume and surface area SURFACE AREA VOLUME

**4 in**

**4 in**

**6 in**

1. Find the volume and surface area SURFACE AREA VOLUME

**9 in**

**9 in**

**9 in**

1. Find the volume and surface area SURFACE AREA VOLUME

**4 ft**

**4 ft**

**7 ft**

**2 ft**

**4 ft**

1. Find the volume and surface area SURFACE AREA VOLUME

**16 in**

**12 in**

1. Find the volume and surface area of a box that is 4 feet high, 6 feet wide and 10 feet long.

Sketch a picture SURFACE AREA VOLUME

1. Find the volume and surface area of a cube with sides that are 12 feet long.

Sketch a picture SURFACE AREA VOLUME

1. Find the volume and surface area of the triangular prism, with a triangular base that is an equilateral triangle with side lengths 9 m, height of 7 m and the height of the prism is 10 m

Sketch a picture SURFACE AREA VOLUME

1. A rectangular storage box is 8 in. wide, 15 in. long and 9 in. high. How many square inches of colored paper are needed to cover the box?

* If you are cover the outside of a box are you finding volume or surface area?

Sketch a picture

1. The product you designed will be put in a cylindrical shaped package. If the cylinder has a radius of 9 inches and a height of 20 inches, how much paper would be needed to make a label for the new package?
2. The kiddie pool you found for your cousin had a diameter of 8 ft and a height of 2 feet. How many cubic feet of water would you need to fill the pool if you only wanted to fill it 1 ½ feet high?