Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_

**Volume – Mix It Up!** Period: \_\_\_\_\_\_\_\_

Identify each figure. Use the word bank to help. Each name may be used more than once or not at all! Then calculate the volume. Use your STAAR formula chart to help. Remember to label the units on the volume. Show your work on the back or on a sheet of notebook paper and staple it to this page.

**WORD BANK**

Triangular Prism Cube Rectangular Prism

Triangular Pyramid Square Pyramid Rectangular Pyramid

Cylinder Cone Sphere

6 cm

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Volume: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Leave answer in terms of π.

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Volume: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Volume: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Leave answer in terms of π.

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Volume: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Volume: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Use  to approximate π.

6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Volume: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Volume: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Use 3.14 to approximate π.

8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Volume: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Volume: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**14 mi**

**6 mi**

You buy your little sister a wading pool. It is a 4-ft by 6-ft rectangular prism. How many cubic feet of water would it take to fill it 1.5 feet deep?