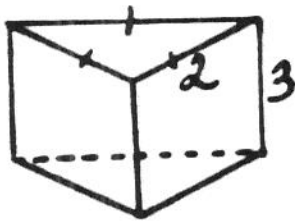
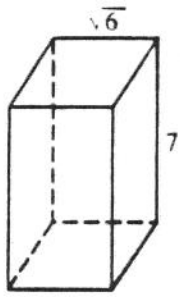
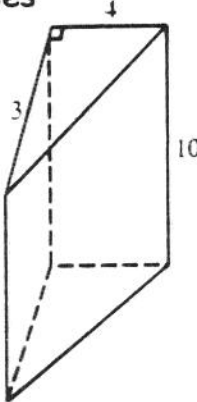
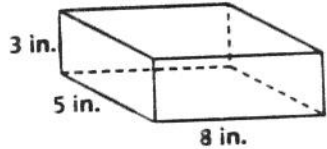
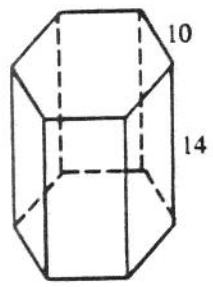
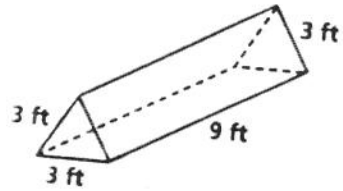


Date \_\_\_\_\_

Period \_\_\_\_\_

LA, SA & V of Prisms

Find the lateral area, surface area, and volume for each of the following.  
Round your answers to the nearest hundredth.

<p>1. right prism equilateral triangular bases</p>  <p>LA= SA= V=</p>	<p>2. right prism square bases</p>  <p>LA= SA= V=</p>
<p>3. right prism right triangular bases</p>  <p>LA= SA= V=</p>	<p>4. right prism rectangular bases</p>  <p>LA= SA= V=</p>
<p>5. right prism regular hexagonal bases</p>  <p>LA= SA= V=</p>	<p>6. right prism equilateral triangular bases</p>  <p>LA= SA= V=</p>

7. A prism has a rectangular base with dimensions of 5 and 7, and a volume of 245. Find the height of the prism.

8. A prism has regular hexagons as bases. Each base has an area of  $96\sqrt{3}$ . If the volume of the prism is  $384\sqrt{3}$ , find the height.

9. Find the volume of a prism having equilateral triangles with sides of 12 as bases, and a height of 5.

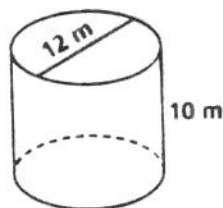
10. A cylindrical tank has a radius of 4 ft and holds  $100 \text{ ft}^3$  of water. What is the height of the tank?

11. A CYLINDER has a radius of 6 and height of 8. What is the surface area and volume?

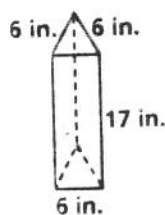
12. A test tube has a diameter of 4 cm. If  $75 \text{ cm}^3$  of a liquid were poured into the test tube, what will be the height of the liquid to the nearest hundredth of a centimeter?

Find Surface Area and Volume:

13.



14.



15.

