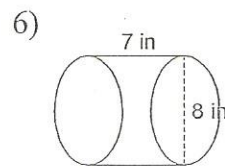
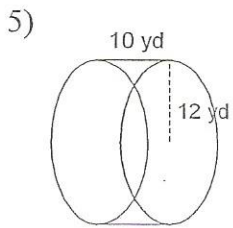
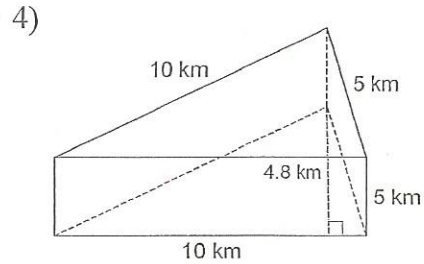
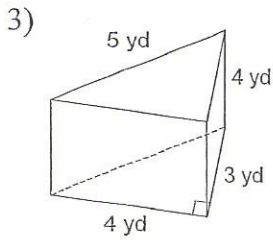
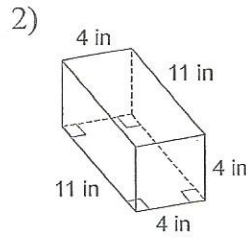
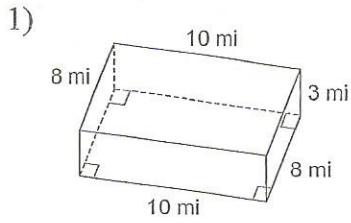
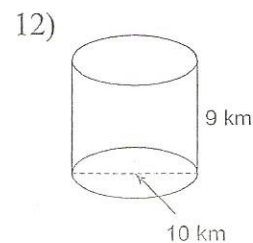
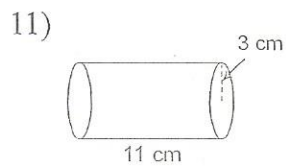
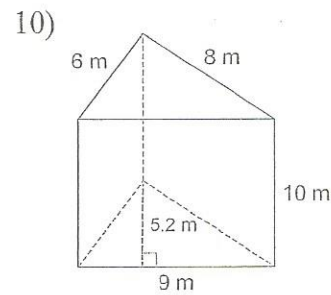
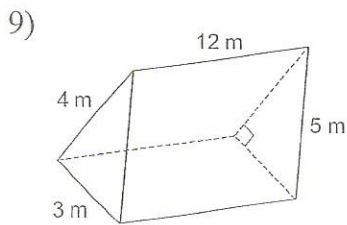
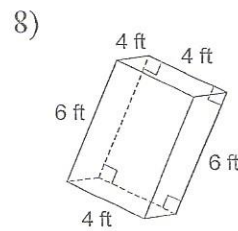
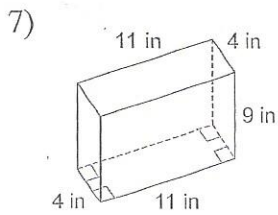


Surface Area

Find the lateral area of each figure. Round your answers to the nearest whole, if necessary.



Find the surface area of each figure. Round your answers to the nearest whole, if necessary.



Surface Area Word Problems:

Name: _____

<p>1.) A cosmetics company that makes small cylindrical bars of soap wraps the bars in plastic prior to shipping. Find the surface area of a bar of soap if the diameter is 5 cm and the height is 2 cm. Use 3.14 for π.</p>	<p>2.) Chloe wants to wrap a present in a box for Sarah. The top and bottom of the box is 8 in. by 3 in., the sides are both 3 in. by 2 in. and the front and back are 8 in. by 2 in. How much wrapping paper will Chloe need to wrap the present?</p>
<p>3.) The lateral area of a cylinder is 94.2 cm^2. The height is 6 cm. What is the radius?</p>	<p>4.) Tara made a rectangular fence around her rose so it would not get hurt by her dog. She put a fence around the rose that was 4 ft long, 2 ft wide, and 3 ft high. How much material did she use to make her fence?</p>
<p>5.) A company is deciding which box to use for their merchandise. The first box measures 8 inches by 6.25 inches by 10.5 inches. The second box measures 9 inches by 5.5 inches by 11.75 inches. Which box required more material to make?</p>	<p>6.) If each box (from #5) used material that cost \$0.03 per square inch to make, how much does a company save by choosing to make fifty boxes of the smaller box in comparison to fifty boxes of the larger box?</p>