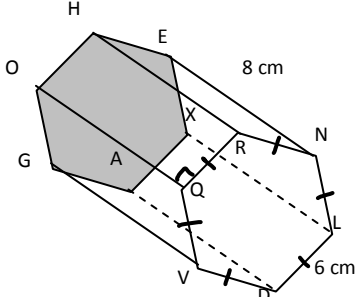
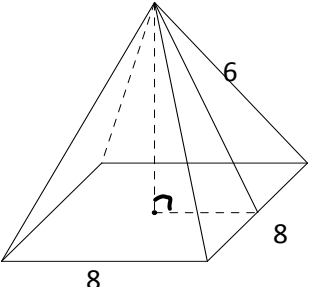
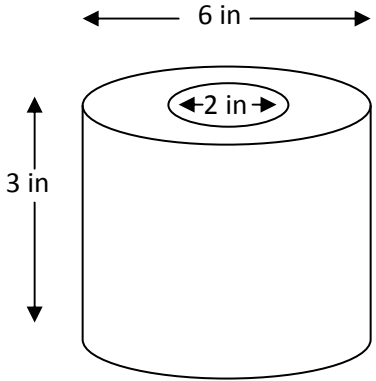
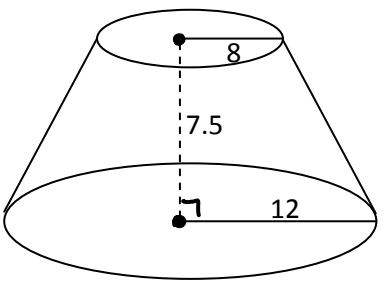
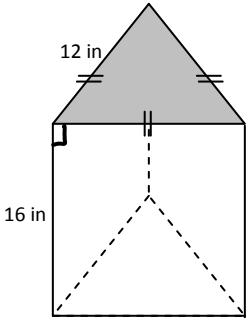
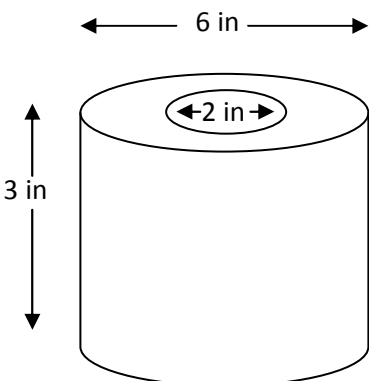
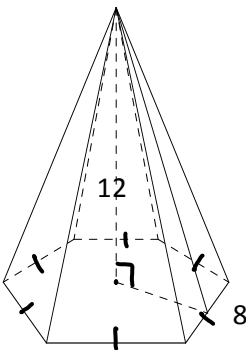
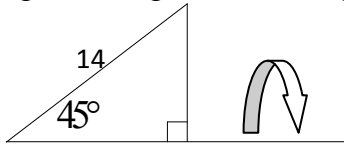


What are we learning in the Chapter 12?

**Please indicate how you feel about the required topics in this unit. **

Objective	Example	Answer	Rating
<p>Calculate the lateral surface area and total surface area of a prism</p>		<p style="text-align: center;">LSA = 288 TSA = 288 + 108√3</p>	<p style="text-align: center;">☺ ☹ ☹</p>
<p>Calculate the lateral surface area and total surface area of a pyramid</p>		<p style="text-align: center;">LSA = 32√5 TSA = 32√5 + 64</p>	<p style="text-align: center;">☺ ☹ ☹</p>
<p>Calculate the lateral surface area and total surface area of a cylinder</p>		<p style="text-align: center;">LSA = 24π TSA = 40π</p>	<p style="text-align: center;">☺ ☹ ☹</p>
<p>Calculate the total surface area of a sphere</p>	<p>Calculate the total surface area of a hemisphere if the base area is 16π.</p>	<p style="text-align: center;">TSA = 48π</p>	<p style="text-align: center;">☺ ☹ ☹</p>
<p>Calculate the lateral surface area and total surface area of a cone or frustum</p>		<p style="text-align: center;">LSA = 170π TSA = 378π</p>	<p style="text-align: center;">☺ ☹ ☹</p>

<p>Calculate the volume of a prism</p>		$V = 576\sqrt{3}$	<p>☺ ☹ ☹</p>
<p>Calculate the volume of a cylinder</p>		$V = 24\pi$	<p>☺ ☹ ☹</p>
<p>Calculate the volume of a pyramid</p>		$V = 384\sqrt{3}$	<p>☺ ☹ ☹</p>
<p>Calculate the volume of a cone or frustum</p>	<p>Calculate the volume of a cone with slant height 15 and radius 9.</p>	$V = 324\pi$	<p>☺ ☹ ☹</p>
<p>Calculate the volume of a sphere</p>	<p>Calculate the volume of a hemisphere with base circumference 24π.</p>	$V = 1,152\pi$	<p>☺ ☹ ☹</p>
<p>Volume of revolution</p>	<p>Find the volume of the solid made by rotating the triangle around the given line.</p> 	$V = \frac{686\sqrt{2}}{3}\pi$	<p>☺ ☹ ☹</p>