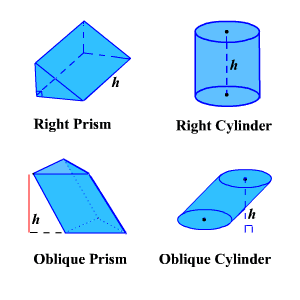
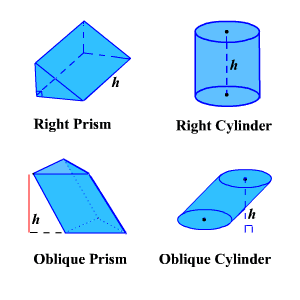
Chapter 12.2: Surface Area of Prisms

Bases:

Lateral Face:

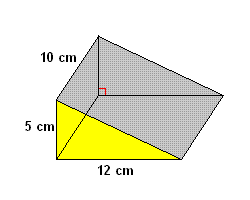
Lateral Edges:

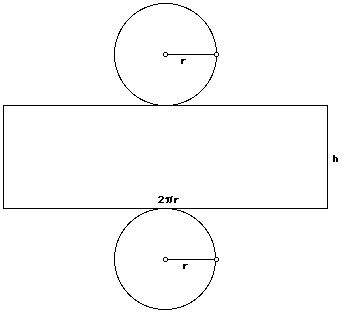
Altitude:

**Surface Area:** Sum of the areas of all the sides (faces) of a 3-D figure.

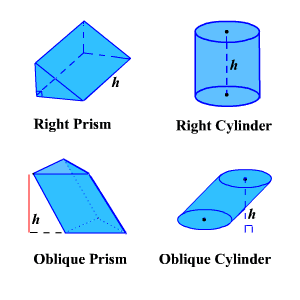
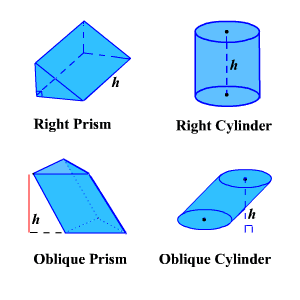
**Lateral Surface Area:** Sum of the areas of only the lateral faces of a 3-D figure.

Example: Find the Lateral and Total Surface Area:

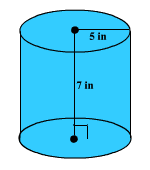
**Lesson 12.3 and 12.5: Surface Area of a Cone and a Cylinder**

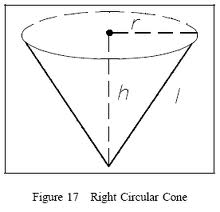
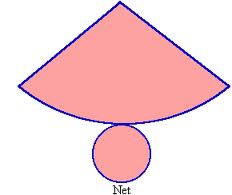
**Lateral Surface Area of a Cylinder:**

**Total Surface Area of a Cylinder:**



**Example: Find the Lateral and Total Surface Area**



**Surface Area of a Cone:**

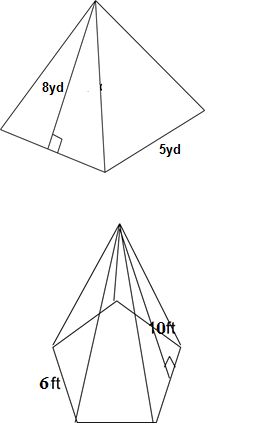
**Lateral Area =**

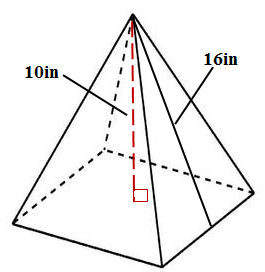
**SA of Cone =**

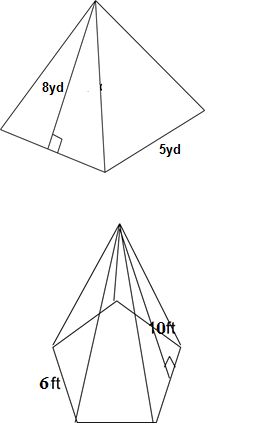
**Example:** Find surface area if r = 6in and h = 7in

**Lesson 12.4: Surface Area of a Pyramid**

**Example 1)**

****

**Example 2)**

**Example 3)**