

Homework

Textbook pages 366 & 367:

1-3, 7-19 odd

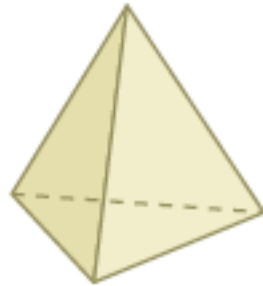


Surface Area of Pyramids

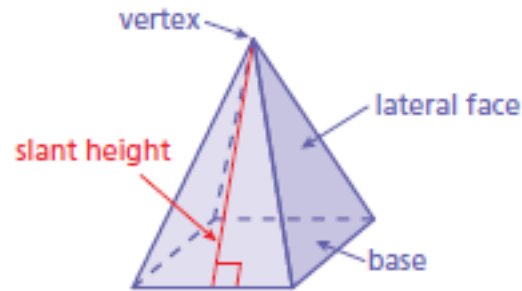
Lesson 9.2



Even though many well-known pyramids have square bases, the base of a pyramid can be any polygon.



Triangular Base



Square Base



Hexagonal Base

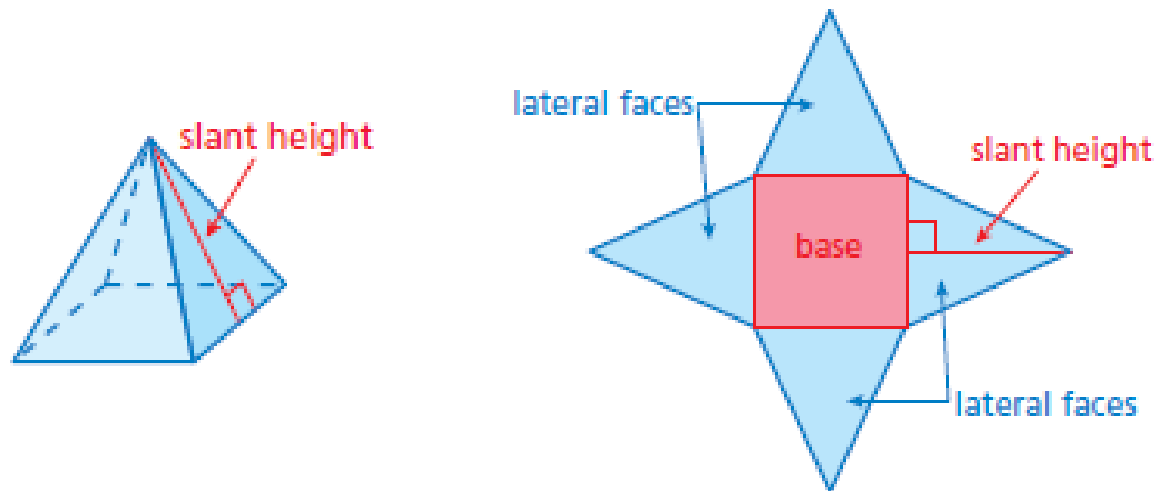
A **regular pyramid** is a 3D figure with one polygon for a base. The other lateral faces are triangles, and they connect at one vertex called the **apex**. The height of each triangle is the **slant height** of the pyramid. A pyramid is named for its base.



 **Key Idea**

Surface Area of a Pyramid

The surface area S of a pyramid is the sum of the areas of the base and the lateral faces.



$$S = \text{area of base} + \text{areas of lateral faces}$$