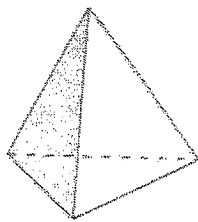


Name _____ Date _____

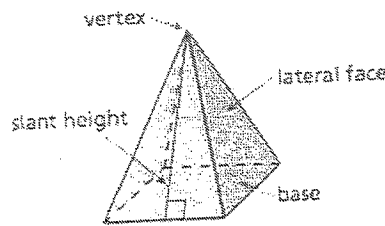


Surface Area of Pyramids and Cylinders – 9.2 and 9.3 Guided Notes
<http://youtu.be/VXqYpJxHL6U>

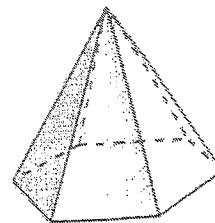
- Unlike a prism, which has _____ bases, a pyramid is a 3-dimensional solid that has only _____ base.
- A _____ pyramid is a pyramid whose base is a regular polygon, meaning all the sides are _____.
- The lateral faces of a pyramid are always _____.
- The top of the pyramid, opposite the base, is called a _____.
- The height of each triangle is known as the _____.
- To find the surface area of a pyramid, find the _____ of the base and the lateral faces.
- Remember, the formula for the area of a triangle is _____.



Triangular Base



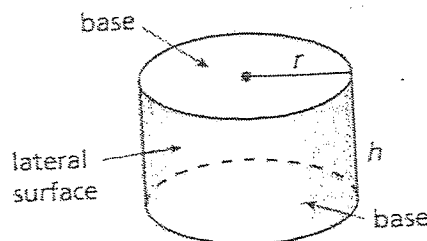
Square Base



Hexagonal Base

- A cylinder is a 3-dimensional solid that has two parallel and congruent _____ bases.

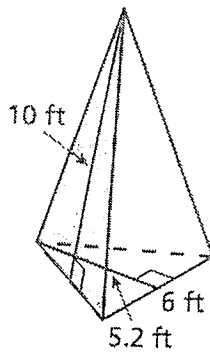
- The formula for the surface area of a cylinder is _____.



Guided Examples

1. What is the surface area of a square pyramid with a base side length of 9 centimeters and a slant height of 7 centimeters?

2. Find the surface area of the following regular pyramid.



3. Find the surface area of the following prism.

