## Pyramid:



## Regular Pyramid:



1. Use the diagram to find the area of each lateral face of this regular pyramid


## Regular Pyramid:

$$
S=B+\frac{1}{2} P l
$$

Where $B$ is the area of the base, P is the perimeter of the base,
 and $l$ is the slant height
2. Find the surface area of the regular pyramid below:
a.

b.


3. Find the surface area of the regular pyramid below:


## Cone:



Right Cone

$$
S=\pi r^{2}+\pi r l
$$

Where $r$ is the radius of the base and $l$ is the slant height.

4. Find the slant height of the cone below:

5. Find the surface area of the cone below:
a.

b.

c.


| ConceptSummary Lateral and Surface Areas of Solids |  |  |  |
| :---: | :---: | :---: | :---: |
| Solid | Lateral Area | Surface Area |  |
| prism | Model | $L=P h$ | $S=L+2 B$ <br> or <br> cylinder |
| pyramid |  | $L=P h+2 B$ |  |

