

**Note:** In this lesson, the base of a pyramid will <u>always</u> be a <u>square</u> (regular polygon) and all the <u>lateral faces</u> will <u>always</u> be <u>congruent triangles</u>.





## Ex 1:

**Important:** Make sure not to confuse the pyramid <u>height</u> with its <u>slant height</u>.a) Find the lateral area of the pyramid.b) Find the surface area of the regular pyramid.







## Ex 2:

**Important:** Make sure not to confuse the cone height with its slant height.a) Find the lateral area of the cone.b) Find the surface area of the cone.





## **Ex 3:**

Find the surface area of the figure. Big Idea: The surface area is the sum of all the faces you can see.



You have to exclude the base of the pyramid and the top base of the cube when calculating the surface area.