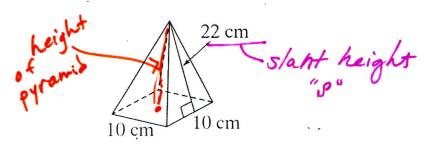
Exploring Surface Area of Square Pyramids



Using the pyramid above, sketch each face of the pyramid and label the dimensions of each face. Then find the area of each face.

numbers				
Base	Side 1	Side 2	Side 3	Side 4
10	22	\triangle	\triangle	
A= L.W 10.10	A = 2bh 10.22		8	
	Area: 110 cm ²	Area: (10cm²	Area: 110 cm	Area: 110 au

From this information, how could you find the surface area of the pyramid?

Sum of 5 faces: 100+110+110+110

What do you notice about all four sides of the pyramid?

Same - equal

Do you think there could be an easier way to find the surface area rather than finding all five areas and adding them together? Try your short cut on this pyramid.

would this method work if it was not a SQUARE PYRAMID? Why or why not?