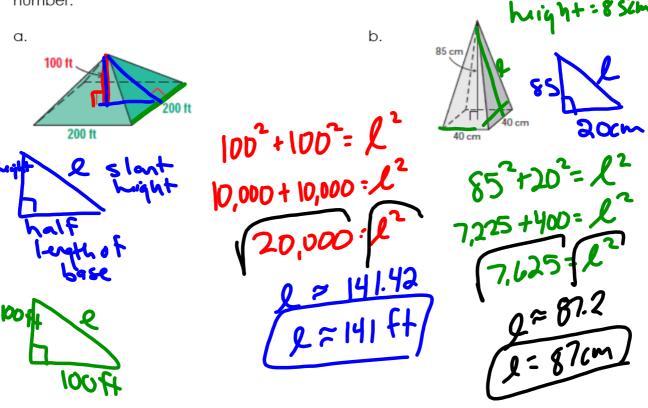
9.3 notes March 12, 2018

Geometry	9.3: Surface Area of	Name:
	Pyramids and Cones	
Students	will be able to find the surface area of	pyramids and cones.
- Pyramid:	oyramid: We triangles wi	and the latural faces
Al ylulliu.	CIE Alexandes Wi	th a common vertex
☆Height of a լ	pyramid:	☆Slant Height of a pyramid:
	rvetec	
Perpudic	ular	, ","
distance hetman		represented by "L" hight of any of its
MISTOR		T'AS
the ba	se & vertex	hight of any or "
	•	I had says.
		Many Luces

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Example 1: Find the slant height of the pyramid. Round your answer to the nearest whole number.



Surface area of a pyramid

Surface area = (area of the base) + area of the lateral faces

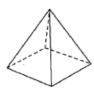
SA = (

B

) + (

PL

).

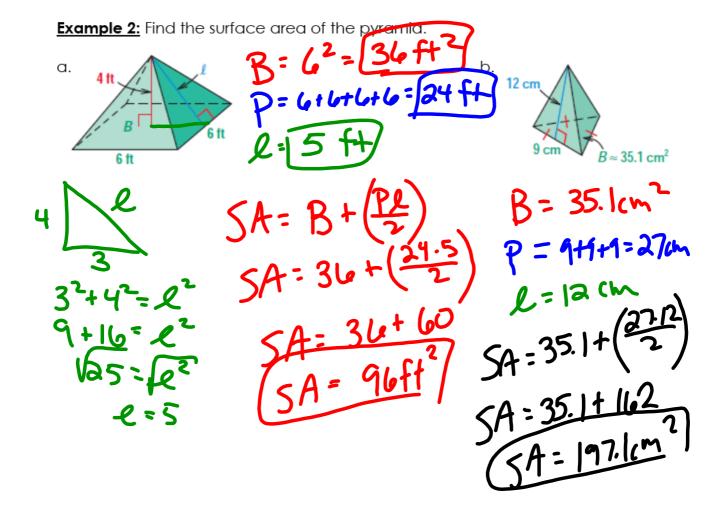


+ Slot hight
"2"
Princt of Base

Surface Area of a Pyramid:

SA = B+ (Pe)

B = area of Base P = pulmetr of Date P = Slant high 9.3 notes March 12, 2018



Surface Area of a Cone

☆Height of a cone:

Surface area

distance
between bree
= (area of the base) + area of the sector

☆Slant Height of a cone:

brhum the vertex and a point on base edge.

Surface Area of a Cone:

SA = B+ Trl

SA= TOP TICL

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Example 3: Find the surface area of the cone to the nearest whole number.

