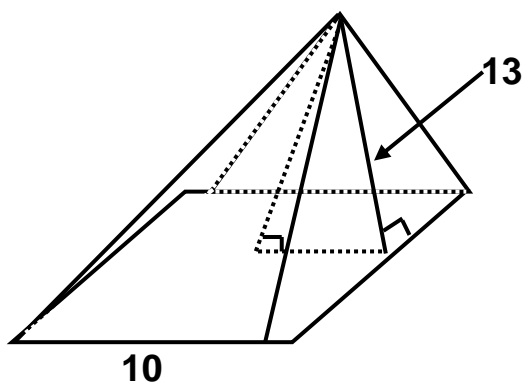


TOPIC 17-2: SURFACE AREA & VOLUME OF REGULAR PYRAMIDS

	FORMULA:
Lateral Area	
Total Area	
Volume	

EXAMPLE 1: Find the Lateral Area, Total Area, and Volume of the square pyramid below.

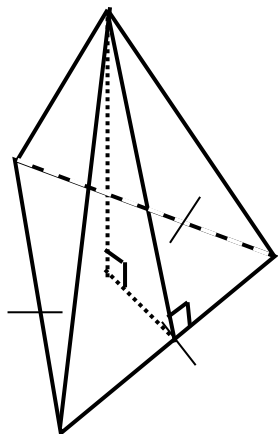


$$LA = \underline{\hspace{2cm}}$$

$$TA = \underline{\hspace{2cm}}$$

$$V = \underline{\hspace{2cm}}$$

EXAMPLE 2: A regular triangular pyramid has base edges of $24\sqrt{3}$ in. and a height of 16 in. Find the Lateral Area, Total Area, and Volume of the pyramid.

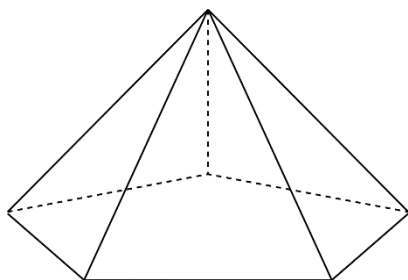


$$LA = \underline{\hspace{2cm}}$$

$$TA = \underline{\hspace{2cm}}$$

$$V = \underline{\hspace{2cm}}$$

EXAMPLE 3: Find the Lateral Area, Total Area, and Volume of a pentagonal pyramid with a base edge of 4 cm and a height of 10 cm. Round to the nearest hundredth.

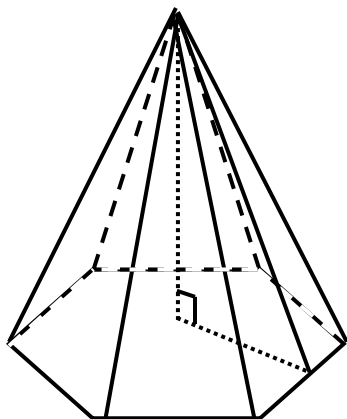


$$LA = \underline{\hspace{2cm}}$$

$$TA = \underline{\hspace{2cm}}$$

$$V = \underline{\hspace{2cm}}$$

EXAMPLE 4: The regular hexagonal pyramid below has a base edge of 6 cm and a slant height of 14 cm. Find its Lateral Area, Total Area, and Volume.



$$LA = \underline{\hspace{2cm}}$$

$$TA = \underline{\hspace{2cm}}$$

$$V = \underline{\hspace{2cm}}$$