

Name: \_\_\_\_\_

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Math 2.1: Volume & Surface Area

Measurement & Volume of Pyramids & Cones

100 Marks in 45 page (approximately) 100

Directions: Find the volume of each figure. Round to the nearest hundredth when necessary.



Base side  
length = 10 cm  
Height = 12 cm

$$V = \frac{1}{3}s^2h$$

$$V = \frac{1}{3}(10)(12)$$

$$V = 40 \text{ cm}^3$$



Radius = 5 cm  
Height = 12 cm

$$V = \frac{1}{3}\pi r^2h$$

$$V = \frac{1}{3}\pi(5)(12)$$

$$V = 100\pi \text{ cm}^3$$

$$V \approx 314.16 \text{ cm}^3$$



Base length = 10 cm  
Base width = 6 cm  
Height = 12 cm

$$V = \frac{1}{3}lwh$$

$$V = \frac{1}{3}(10)(6)(12)$$

$$V = 240 \text{ cm}^3$$



Radius = 3 cm  
Height = 12 cm

$$V = \frac{1}{3}\pi r^2h$$

$$V = \frac{1}{3}\pi(3)(12)$$

$$V = 36\pi \text{ cm}^3$$

$$V \approx 113.10 \text{ cm}^3$$



Base side  
length = 10 cm

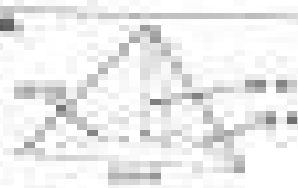
$$V = \frac{1}{3}s^2h$$

$$V = \frac{1}{3}(10)(12)$$

$$V = 40 \text{ cm}^3$$

$$V = 40 \text{ cm}^3 + 480 \text{ cm}^3$$

$$V = 520 \text{ cm}^3$$



# Gina Wilson Volume Of Pyramids Cones

**Hock Seng Chuah**



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