NAME:_____

1. Which of the following pyramids has a volume of 64 m^3 ?

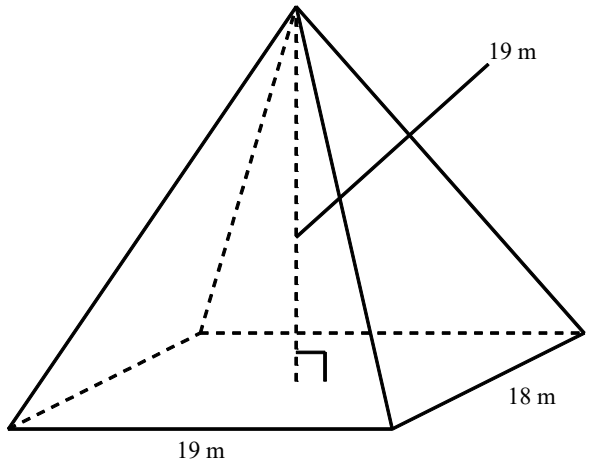
   [A] a pyramid with a $10\text{ m} \times 6\text{ m}$ base and a height of 3.2 m

   [B] a pyramid with a $6\text{ m} \times 4\text{ m}$ base and a height of 8 m

   [C] a pyramid with a $6\text{ m} \times 8\text{ m}$ base and a height of 4 m

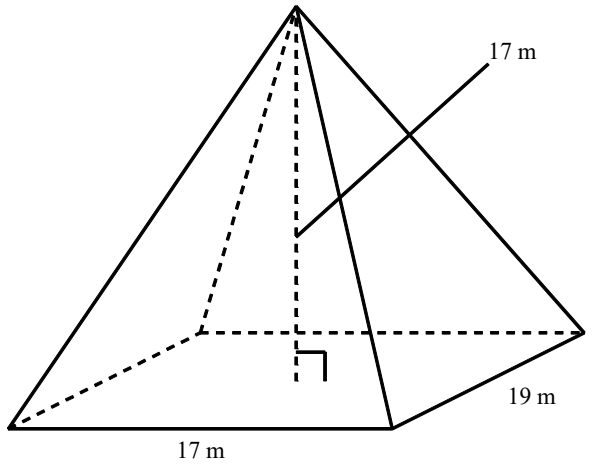
   [D] a pyramid with a $4\text{ m} \times 8\text{ m}$ base and a height of 2 m

2. Calculate the volume of the pyramid.



   [A] 2166 m^3 [B] 6498 m^3 [C] $18\frac{2}{3}$ m^3 [D] $240\frac{2}{3}$ m^3

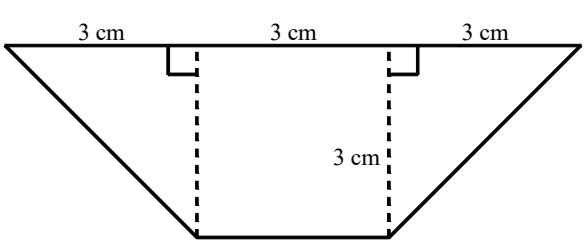
3. Calculate the volume of the pyramid.

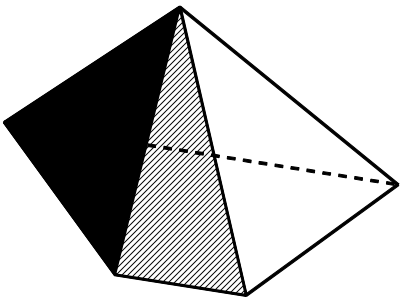


   [A] $17\frac{2}{3}$ m^3 [B] $1830\frac{1}{3}$ m^3 [C] 5491 m^3 [D] $203\frac{10}{27}$ m^3

NAME:_____

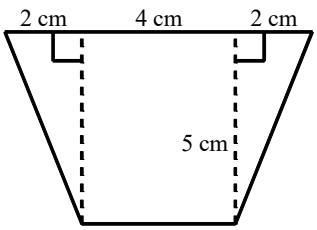
4. Find the volume of the pyramid whose base is shown and whose altitude is 5 centimeters.

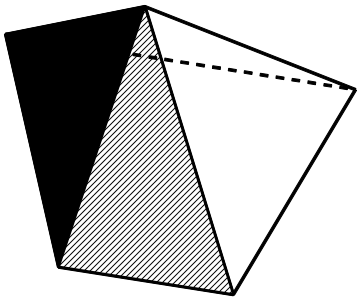




[A] 30 cm^3 [B] 135 cm^3 [C] 45 cm^3 [D] $67\frac{1}{2}$ cm^3

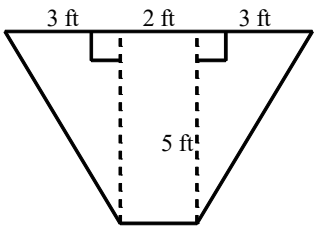
5. Find the volume of the pyramid whose base is shown and whose altitude is 4 centimeters.

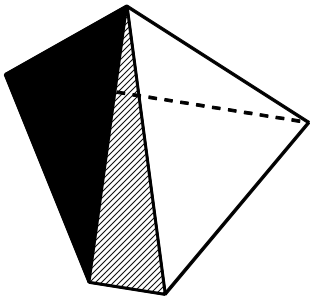




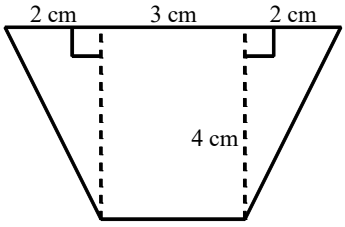
[A] 80 cm^3 [B] 60 cm^3 [C] 40 cm^3 [D] 160 cm^3

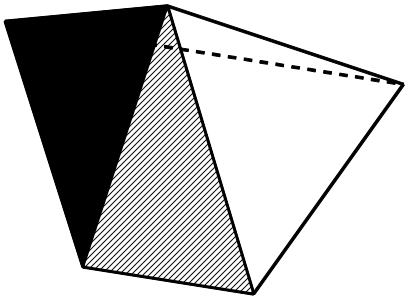
6. Find the volume of the pyramid whose base is shown and whose altitude is 5 feet.





7. Find the volume of the pyramid whose base is shown and whose altitude is 3 centimeters.





[1] A

[2] A

[3] B

[4] A

[5] C

[6] $41\frac{2}{3}$ ft^3

[7] 20 cm^3