NAME_____**DATE**_____**PER.**_____

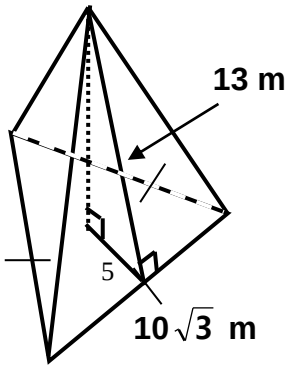
SURFACE AREA AND VOLUME OF PYRAMIDS

Find the Lateral Area, Total Area, and Volume for each of the regular pyramids.

1. LA = _____

   TA = _____

   V = _____

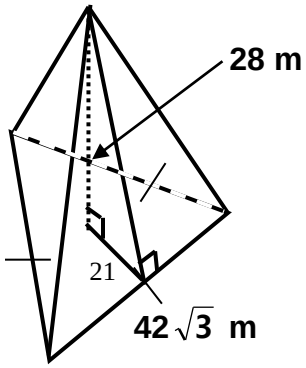


Parts First!
ℓ = 13
h =
a = 5
B =
P =

2. LA = _____

   TA = _____

   V = _____

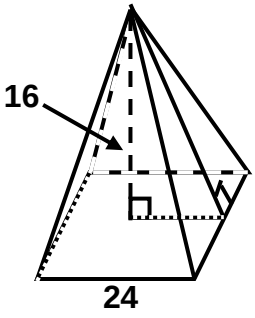


Parts First!
ℓ =
h = 28
a = 21
B =
P =

3. LA = _____

   TA = _____

   V = _____

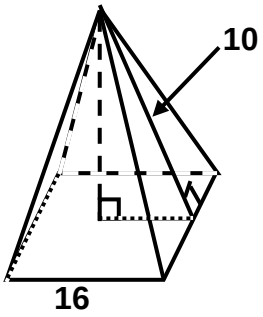


Parts First!
ℓ =
h = 16
a =
B =
P =

4. LA = _____

   TA = _____

   V = _____

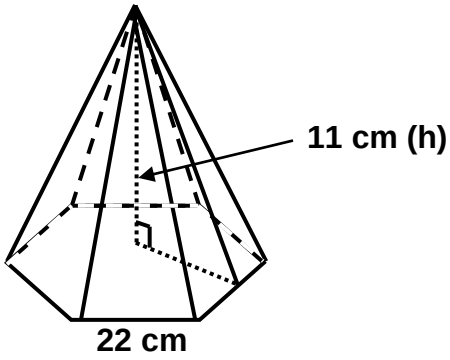


Parts First!
ℓ = 10
h =
a =
B =
P =

5. LA = _____

   TA = _____

   V = _____

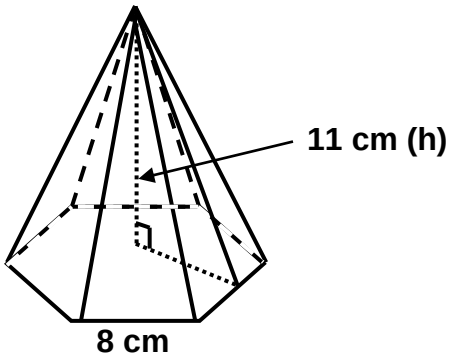


Parts First!
ℓ = 22
h = 11
a =
B =
P =

6. LA = _____

   TA = _____

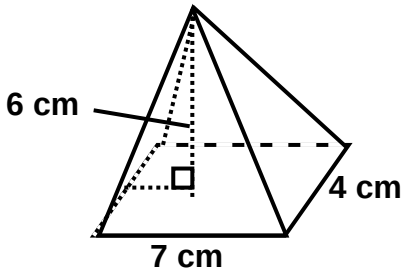
   V = _____



Parts First!
ℓ =
h = 11
a = 4√3
B =
P =

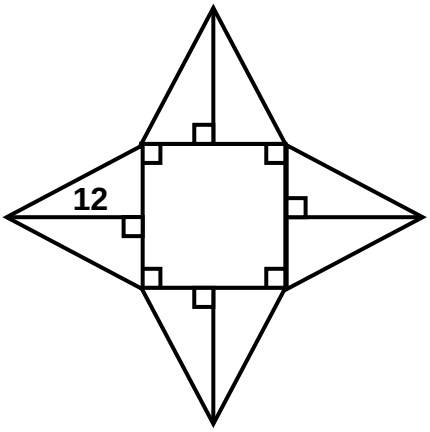
EOC PRACTICE
Find the correct answer for each of the following. Clearly circle or bubble in your answer as necessary. *Work must be shown in order to receive credit*!

7. What is the volume of the pyramid shown below?



A. 168 cm^3
B. 112 cm^3
C. 56 cm^3
D. 48 cm^3

8. Find the surface area of the net if the center is a 9-inch square and each triangle has a height of 12 inches.



A. 81 sq in
B. 216 sq in
C. 297 sq in
D. 972 sq in

9. A pyramid has a rectangular base that is 16 meters long and 21 meters wide. The height of the pyramid is 15 meters. What is the volume of the pyramid?

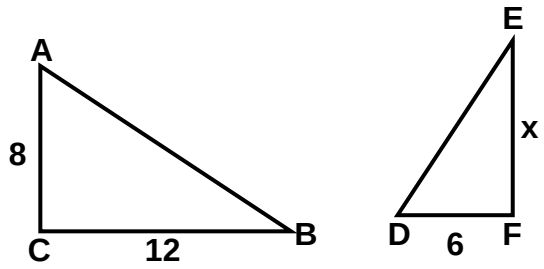
   A. 1,450 m^3

   B. 1,680 m^3

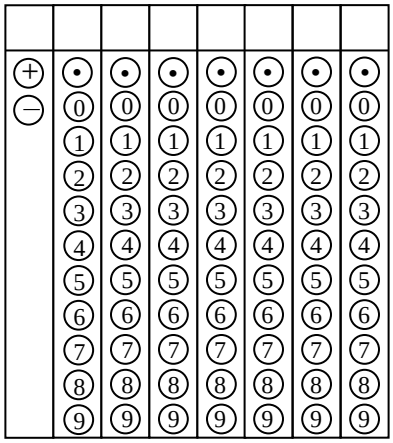
   C. 1,880 m^3

   D. 2,100 m^3

10. Triangles ABC and DEF are similar. What is the length of x?



Record your answer and fill in the bubbles on the grid below. Be sure to use correct place value.



11. Which three-dimensional figure has exactly 6 vertices and exactly 5 faces?

   A. Rectangular prism

   B. Triangular prism

   C. Hexagonal prism

   D. Square pyramid