Day 2: Intro to Volume of 3D Solids Date _____

The point where two or more straight lines meet, a corner, of a shape is called a

_____, or in plural form _____.

The vertex furthest from the base of an object is the _____.

3D Objects to Know	Properties of the Object/How to Identify the Object	Picture
Cylinder		
Cone		
Prism		
Pyramid		
Sphere		

Volume

Volume is measured in _____ units. The volume of a figure is the _____ required to fill it completely; the total amount of _____ that an object takes up.

Example:

Be careful with your measurements All of the units used when calculating the volume of a 3D object must be _____.

Example:

Non-Example:

3D Object	Volume Equals	Fraction	Base	Height	*Volume Formula*
Cylinder	**V=**				
Cone	**V=**				
Prism	**V=**				
Pyramid	**V=**				
Sphere	**V=**				

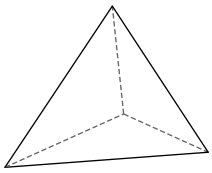
For each figure:

A) Name each figure.

B) State the volume formula.

C) Draw and label the radius, height, length, width, and apothem as needed for each figure.

1)



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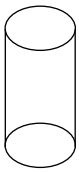

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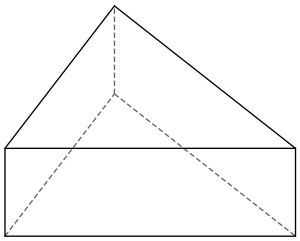

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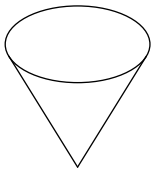

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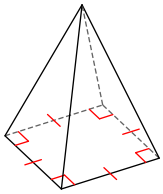

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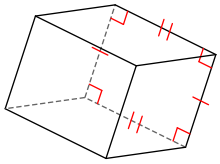

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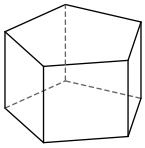

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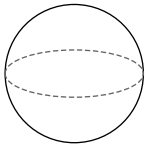

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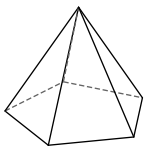

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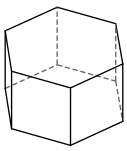


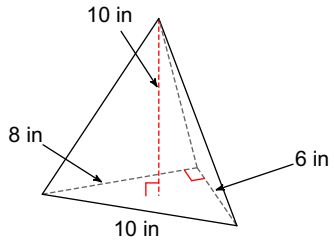
For each figure:

A) Name each figure.

B) State the volume formula.

C) Find the volume of the figure. Round to the nearest thenth, if necessary.

11)



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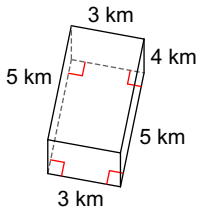

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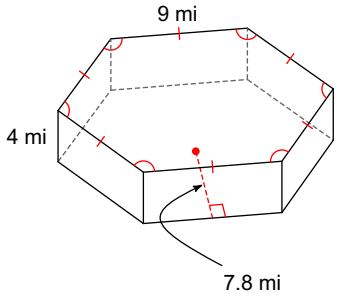

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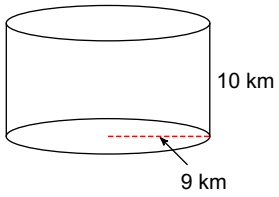

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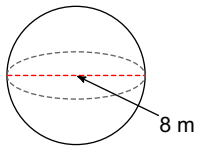

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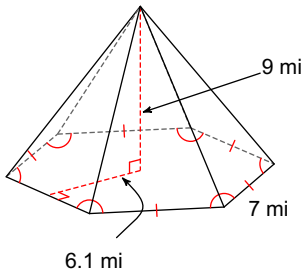

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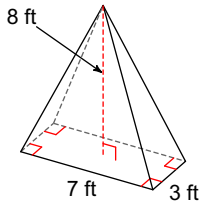

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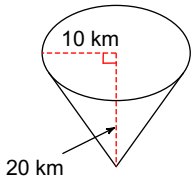

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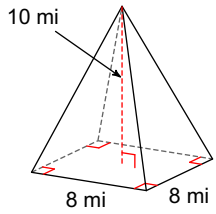

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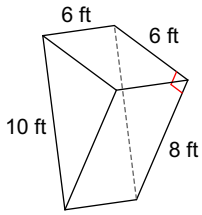

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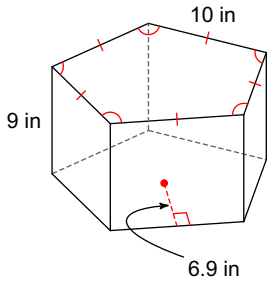

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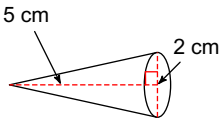

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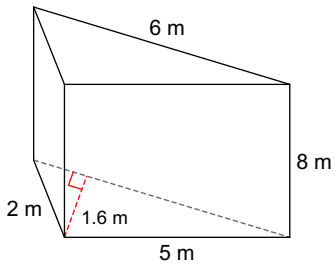

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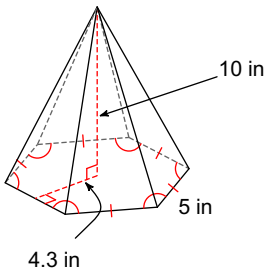

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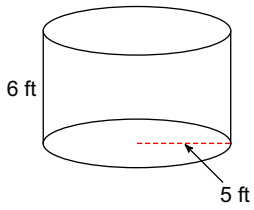

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