

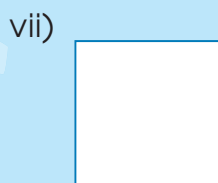
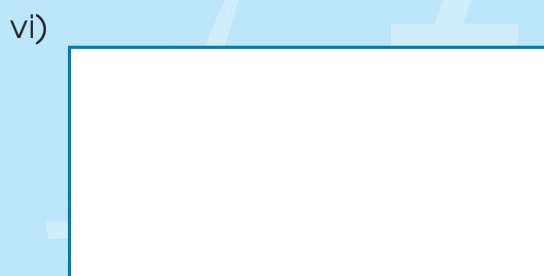
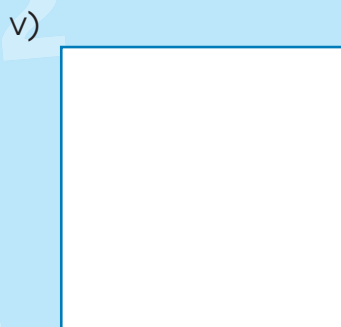
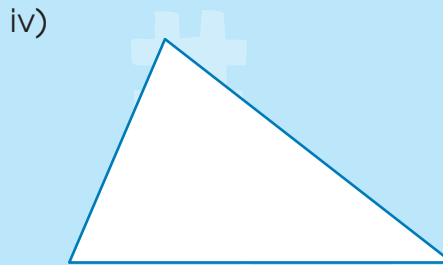
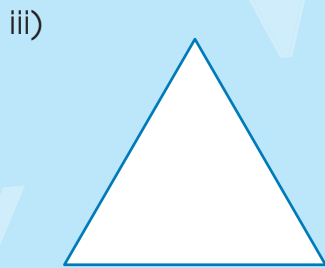
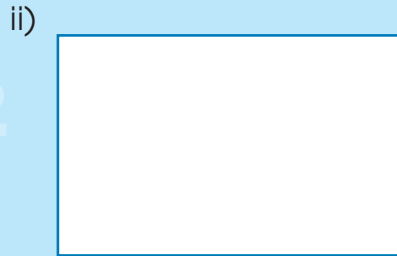
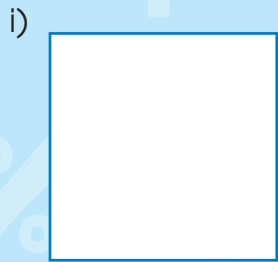
Similar Polygons



Similar polygons are the same shape but different sizes. The corresponding angles are congruent (the same) and all corresponding sides are proportional.



a) Draw the similar polygon for each shape.

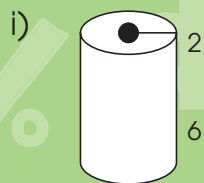


Volume

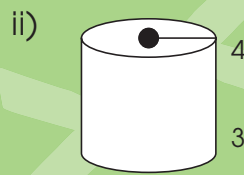


a) Find the volume of each cylinder.

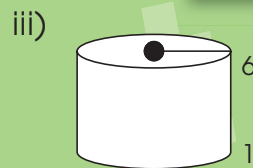
Formula: $\text{volume} = \pi r^2 h$
 (pi x radius squared x height)
 $\pi = 3.14$



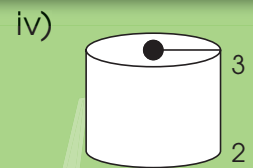
Volume = _____



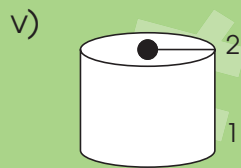
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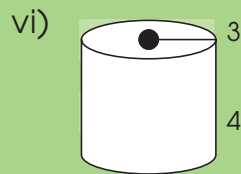
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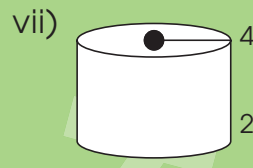
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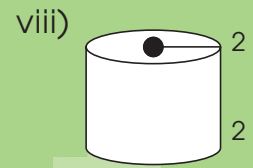
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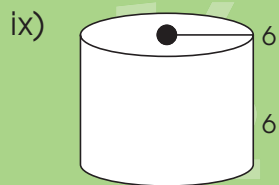
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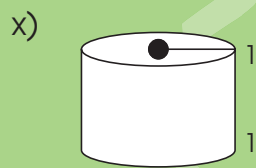
Volume = _____



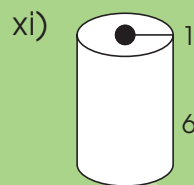
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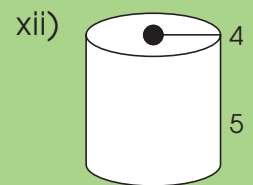
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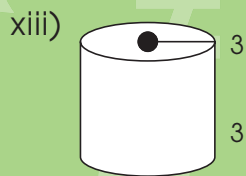
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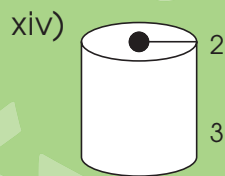
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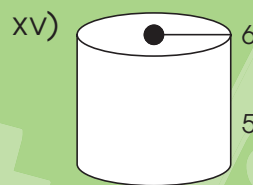
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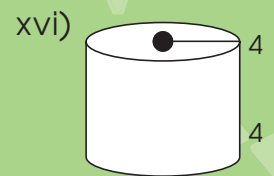
Volume = _____



Volume = _____



Volume = _____






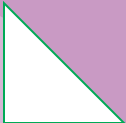
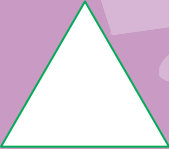
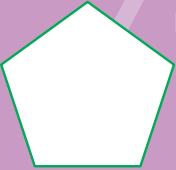
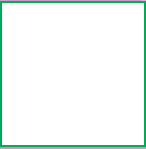

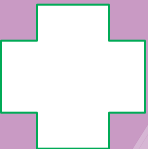


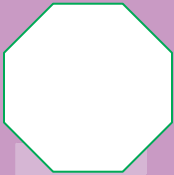
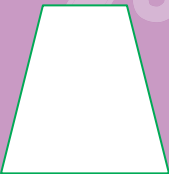
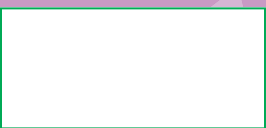






Volume = _____

Regular and Irregular Polygons

a) Classify each shape as regular or irregular.

Regular polygons: all sides are the same length and all angles are equal.

Irregular polygons: the sides are of differing lengths and the angles are not the same.

i)  _____	ii)  _____	iii)  _____	iv)  _____
v)  _____	vi)  _____	vii)  _____	viii)  _____
ix)  _____	x)  _____	xi)  _____	xii)  _____
xiii)  _____	xiv)  _____	xv)  _____	xvi)  _____
xvii)  _____	xviii)  _____	xix)  _____	xx)  _____