

Volume of Prisms & Cylinders

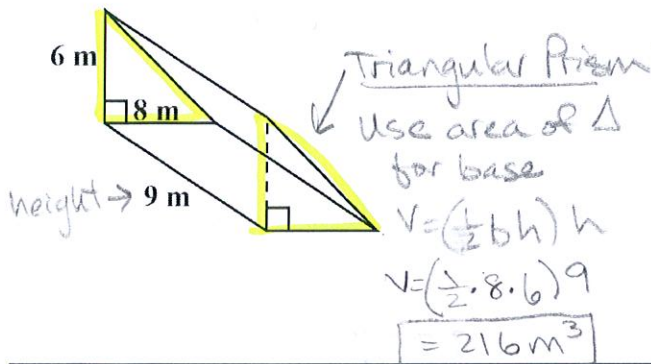
Base: look for parallel sides

$V = B \cdot h$

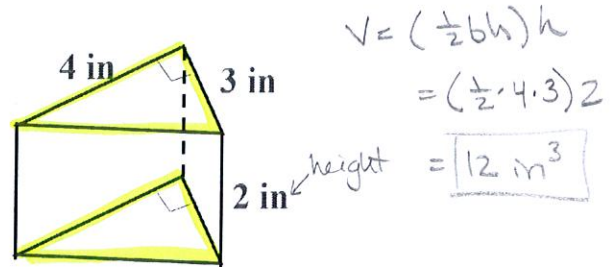
\downarrow Base \downarrow height
 • units are cubed
 • B = area of the base
 • h = height of prism/cylinder

Formulas to Remember:
 Area of Rectangle: $A = l \cdot w$
 Area of Triangle: $A = \frac{1}{2}bh$
 Area of Circle: $A = \pi r^2$

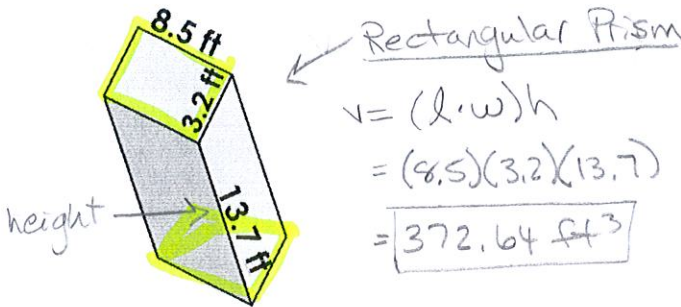
1. $V = 216 \text{ m}^3$



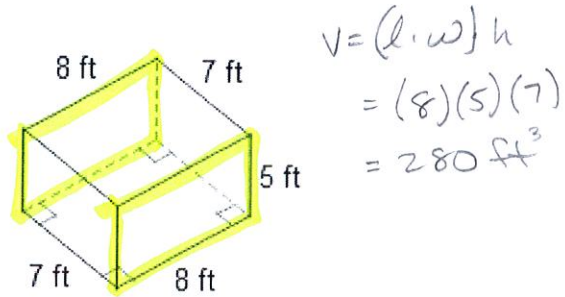
2. $V = 12 \text{ in}^3$



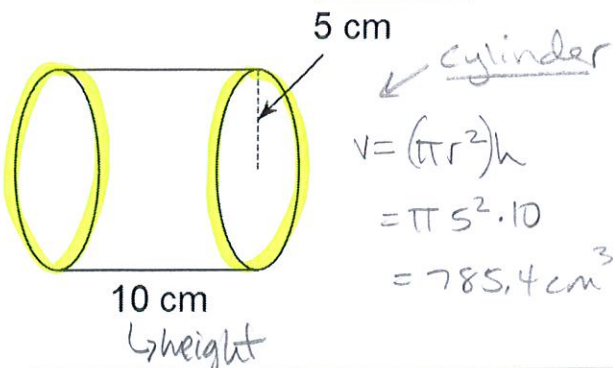
3. $V = 372.64 \text{ ft}^3$



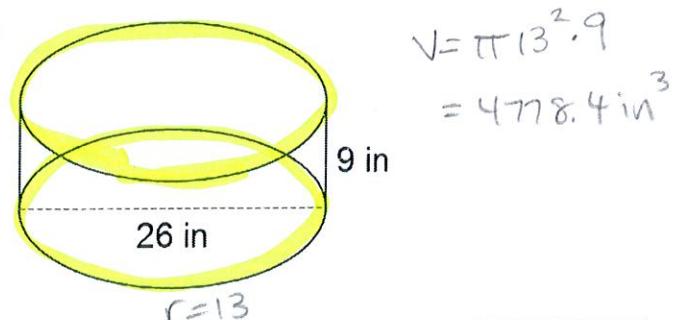
4. $V = 280 \text{ ft}^3$



5. $V = 785.4 \text{ cm}^3$

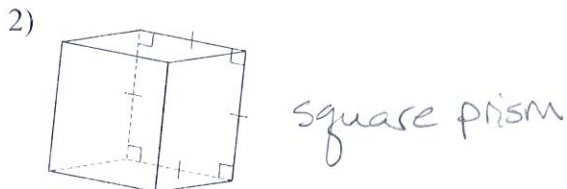
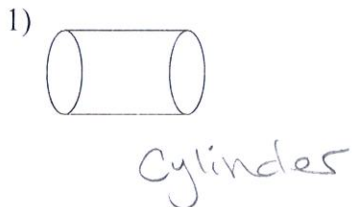


6. $V = 4778.4 \text{ in}^3$



Classwork - Prisms & Cylinders

Name each figure.



Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.

