# GUIDED NOTES: Surface Area and Volume
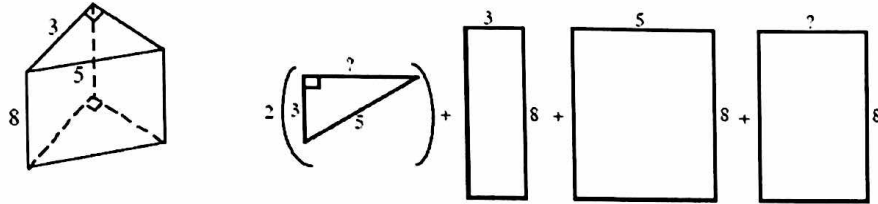
Surface Area – the sum of the area of all the shapes that assemble to make a 3D figure
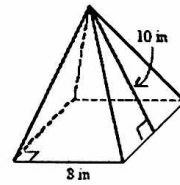
EX1.


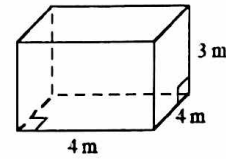
$$2\left(\dfrac{3}{\phantom{x}}\bigg/_5^?\right) + \boxed{\begin{array}{c}3\\ \\8\end{array}} + \boxed{\begin{array}{c}5\\ \\8\end{array}} + \boxed{\begin{array}{c}?\\ \\8\end{array}}$$

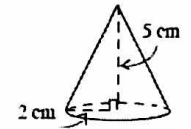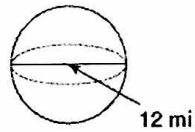Volume – the amount of one shape stacked up inside of a 3D figure

EX6.



3 m
4 m
4 m

EX7.



2 m
3 m

EX2.



5'
8'

EX3.



10 in
8 in

EX8.



11 cm
8 cm

EX9.



5 cm
2 cm

EX4.



18
8.2

EX5.



12 mi

EX10.



3 ft