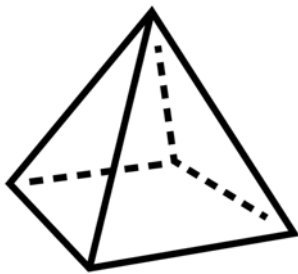## Volume of Rectangular Pyramids

A **rectangular pyramid** is a 3D solid with a **rectangular base** and **four triangular faces** that meet at a single **apex (vertex)**. The **volume** tells us how much space the pyramid occupies. The **formula** for the volume of a rectangular pyramid is:

Volume = 1/3 Base Area x Height   **Base Area** = l x w

Find the **volume** of each rectangular pyramid.
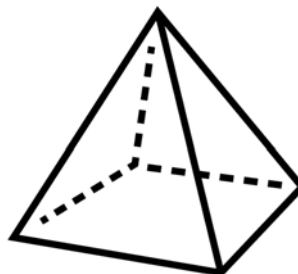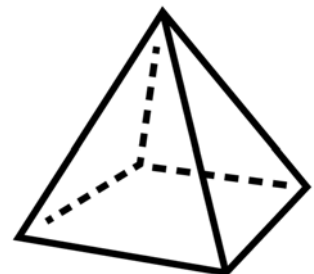
1) l=6 cm, w=4 cm, H=9 cm	2) l=10 m, w=8 m, H=12 m	3) l=7 ft, w=5 ft, H=11 ft
Volume _____	Volume _____	Volume _____
4) l=15 cm, w=9 cm, H=18 cm	5) l=20 m, w=14 m, H=21 m	6) l=8 in, w=6 in, H=10 in
Volume _____	Volume _____	Volume _____
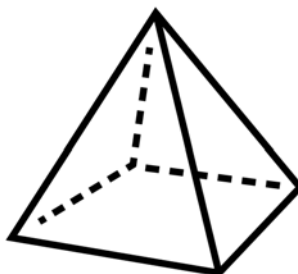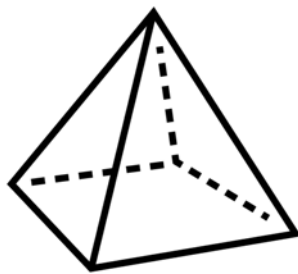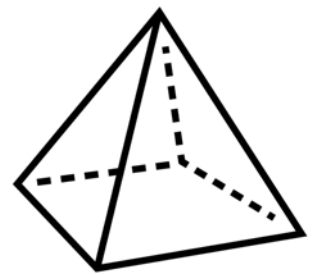
Apply or Reverse the Formula

7. A rectangular pyramid has a base area of **60 cm²** and a volume of **180 cm³**. Find the **height** of the pyramid.

8. A pyramid has a **length** of **12 m** and **width** of **9 m**. If its **height** is **10 m**, find the **volume**.