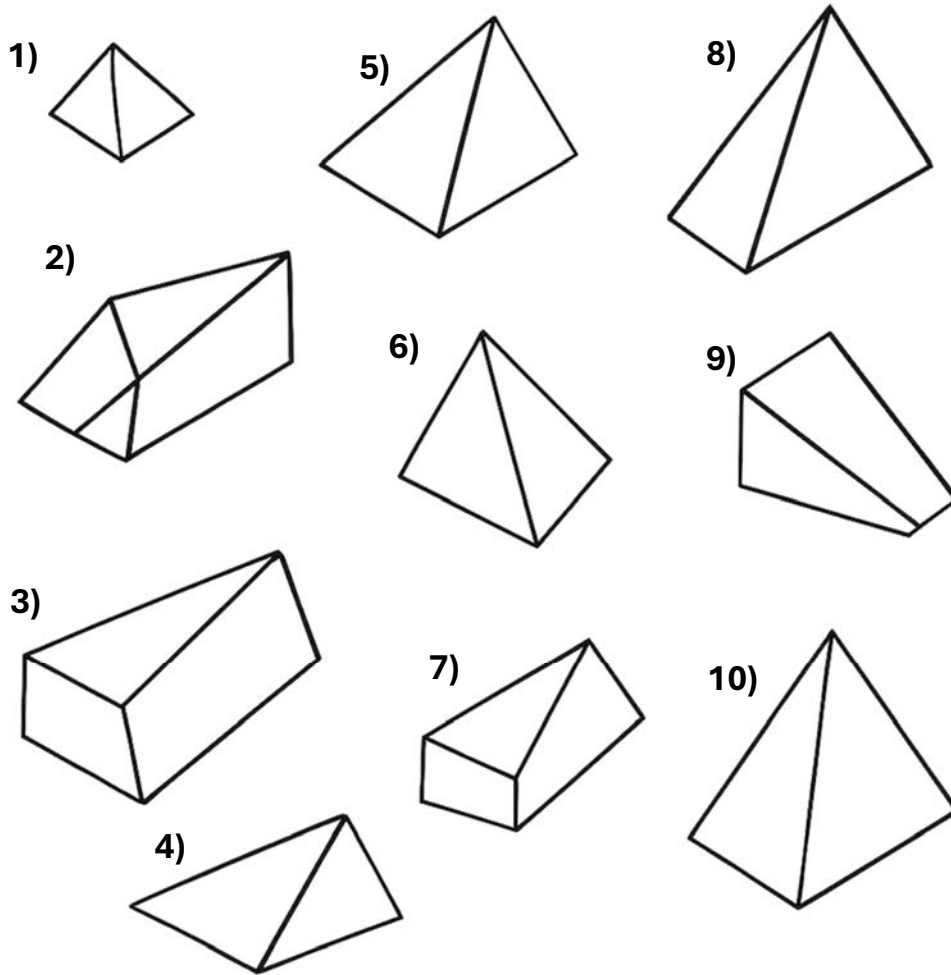Name _____

Volume of Triangular Prisms Answer Key

A **triangular prism** is a 3D shape that has **two identical triangular faces** and **three rectangular faces** joining them. To find how much space it takes up - its **volume** - we use this formula: Volume = Area of Base x Prism Length = $V = \frac{1}{2} b \times h \times l$

1) **Volume = ½×4×3×6 = 36 cm³**

2) **Volume = ½×8×6×10 = 240 cm³**

3) **Volume = ½×10×7×12 = 420 cm³**

4) **Volume = ½×6×5×9 = 135 cm³**

5) **Volume = ½×9×8×14 = 504 cm³**

6) **Volume = ½×5×4×8 = 80 cm³**

7) **Volume = ½×7×6×11 = 231 cm³**

8) **Volume = ½×9×5×10 = 225 cm³**

9) **Volume = ½×11×9×13 = 643.5 cm³**

10) **Volume = ½×13×10×16 = 1,040 cm³**