

Section 11.8 – Mastering 3-Dimensional Figures

1. Draw a rectangular prism and its net, and state both the surface area and volume formulas for it.

2. Draw a triangular prism and its net, and state both the surface area and volume formulas for it.

3. Draw a cylinder and its net, and state both the surface area and volume formulas for it.

4. Draw a regular pyramid and its net, and state both the surface area and volume formulas for it.

5. Draw a cone and its net, and state both the surface area and volume formulas for it.

6. Draw a sphere, and state both the surface area and volume formulas for it.

7. Draw a regular pyramid on top of a rectangular prism. State the surface area and volume formulas for the solid.

8. Draw a cone on top of a cylinder, and state the surface area and volume formulas for the solid.

9. Draw a hemisphere on top of a cone, and state the surface area and volume formulas for the solid.

10. Draw a rectangular prism with a smaller rectangular prism cut out vertically from the middle of it.
State the volume formula for the solid.