Practice worksheet | Circles, area and volume

Cross-sections of prisms

Name: _____ Date: _____

6 questions | 11 marks

1. Name a cross-section parallel to an end of a pentagonal prism. [1 mark]

2. Name a cross-section of a cylinder cut parallel to its circular base. [1 mark]

3. A prism has a rectangular end 7 cm by 4 cm. Find the area of a parallel cross-section. [2 marks]

4. A triangular prism has end base 8 m and end perpendicular height 3 m. Find the end area. [2 marks]

5. A student applies $\text{cross} - \text{sectional area} \times \text{length}$ to a pyramid. Explain the problem. [3 marks]

6. A solid has a circular base and tapers to one point. Is it a prism or a cylinder? Explain. [2 marks]