Practice worksheet | Surface area, volume and measurement

Prism/cylinder volume and capacity

Name: _____ Date: _____

6 questions | 14 marks

1. Find the volume of a rectangular prism 5 cm by 3 cm by 8 cm. [2 marks]

2. A triangular prism has a cross-section with base 6 cm and perpendicular height 4 cm. Its length is 9 cm. Find its volume. [2 marks]

3. A cylinder has radius 3 cm and height 20 cm. Give its exact volume and its capacity to the nearest millilitre. [3 marks]

4. A rectangular tank has internal dimensions 0.8 m by 0.5 m by 0.4 m. Find its capacity in litres. [2 marks]

5. A small pool is 2 m long, 1.5 m wide and 0.6 m deep. How many litres fill it? [2 marks]

6. A tank has a 50 cm by 40 cm internal base. Find the water depth when it contains 13 L. [3 marks]