Practice worksheet | Surface area, volume and measurement

Nets and surface area of right prisms

Name: _____ Date: _____

6 questions | 15 marks

1. Find the surface area of a closed rectangular prism 4 cm long, 3 cm wide and 2 cm high. [2 marks]

2. A cube has side length 5 cm. Find its total surface area. [2 marks]

3. A right triangular prism has perpendicular cross-section sides 6 cm and 8 cm, a third side 10 cm, and length 7 cm. Find its surface area. [3 marks]

4. An open-top rectangular box is 8 cm long, 5 cm wide and 3 cm high. Find the material area, ignoring thickness. [3 marks]

5. A closed rectangular prism has length 5 cm, width 4 cm and surface area 94 cm^2. Find its height. [3 marks]

6. A right prism has cross-section area 24 cm^2, cross-section perimeter 20 cm and length 9 cm. Find its surface area. [2 marks]