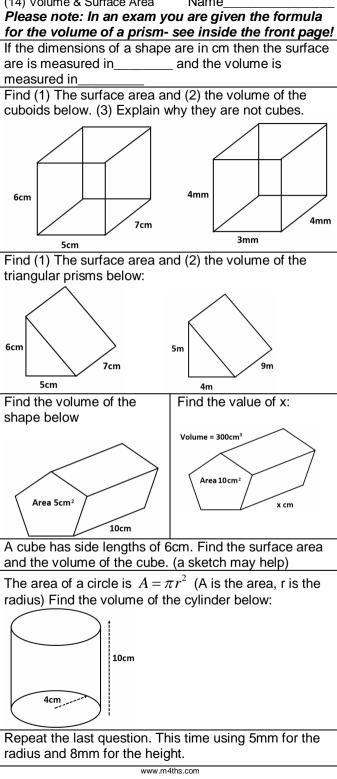
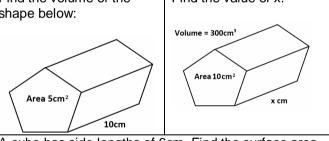
## (14) Volume & Surface Area Name Please note: In an exam you are given the formula for the volume of a prism - see inside the front page! If the dimensions of a shape are in cm then the surface are is measured in and the volume is measured in Find (1) The surface area and (2) the volume of the

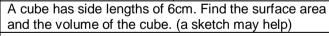
cuboids below. (3) Explain why they are not cubes. 4mm 6cm 3mm Find (1) The surface area and (2) the volume of the triangular prisms below: 6cm 5cm Find the volume of the Find the value of x: shape below: Area 10 cm<sup>2</sup> Area 5cm<sup>2</sup> A cube has side lengths of 6cm. Find the surface area and the volume of the cube. (a sketch may help) The area of a circle is  $A = \pi r^2$  (A is the area, r is the radius) Find the volume of the cylinder below: 10cm

(14) Volume & Surface Area Name 4mm 7cm 5cm Volume = 300cm<sup>5</sup> Area 10 cm<sup>2</sup> Area 5cm<sup>2</sup> 10cm 4cm

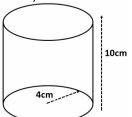


(14) Volume & Surface Area Name Please note: In an exam you are given the formula for the volume of a prism- see inside the front page! If the dimensions of a shape are in cm then the surface are is measured in and the volume is measured in Find (1) The surface area and (2) the volume of the cuboids below. (3) Explain why they are not cubes. 4mm 6cm Find (1) The surface area and (2) the volume of the triangular prisms below: 6cm 5cm Find the volume of the Find the value of x: shape below: Volume = 300cm<sup>5</sup> Area 10 cm<sup>2</sup> Area 5cm<sup>2</sup>





The area of a circle is  $A = \pi r^2$  (A is the area, r is the radius) Find the volume of the cylinder below:



Repeat the last question. This time using 5mm for the radius and 8mm for the height.

Repeat the last question. This time using 5mm for the

4cm

radius and 8mm for the height.