#### VOLUME OF PRISMS AND CYLINDERS

Date:

Instructions: Answer ALL questions in the spaces provided.

1. Calculate the **volume** of the following shapes using  $\pi = 3.14$ , where necessary:

(a)



(b)



(c) 30mm 15mm

Volume = cm<sup>3</sup>

Volume = mm<sup>3</sup> Volume =

 $mm^3$ 

(d)





Volume = cm<sup>3</sup>

Volume = m<sup>3</sup>

Volume = cm<sup>3</sup>

2. Billy buys a fish tank. The dimensions are 32 cm by 91 cm by 35 cm.

(a) Calculate the volume of the fish tank in cm<sup>3</sup>.

Volume = cm<sup>3</sup>

(b) How many litres of water will it hold when full?  $(1000 \text{ cm}^3 = 1 \text{ litre})$ 

Answer = litres



Here is the net of a shape.

The net will fold up to make a solid.

(a) What is the name of the solid?

Solid:

(b) What is the volume of the solid?

Volume = \_\_\_\_ m<sup>3</sup>



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**Michael Rajnik** 

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<u>Practice Master</u>, 1995 New York Math: Math A, 2000 <u>The Software Encyclopedia</u>, 1986 The Mathematics

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