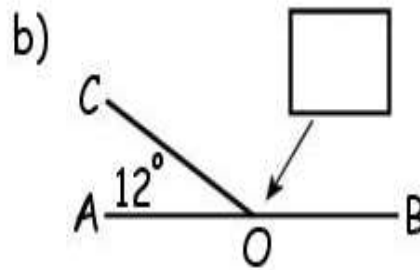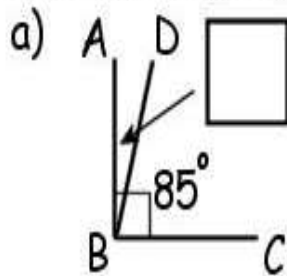# © Year 7 - Assessment B

This assessment is the second of two assessments based on Year 7 work.
Please return assessments by: Email, fax or mail (Details above)
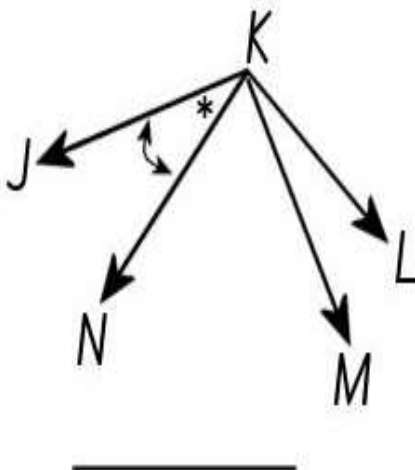
Full Name	**Current Grade**
Date	**Phone Number (business hours please)**
Parent/guardian's Name	**Alternative phone number**

PARENTS: Please DO NOT help or prompt the student.
Students are not allowed to use a calculator.

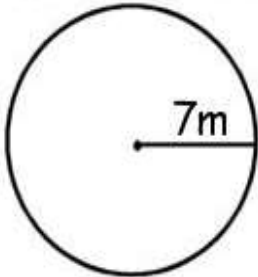1) Find the missing angles.
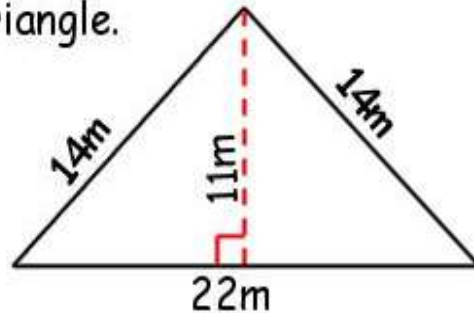
a)

b)

2) Name this angle.

_____

3) Construct a perpendicular line.

4) Calculate the area of this circle to the nearest m^2.

7m

Working out:

Area = _____

5) Calculate the area of this triangle.
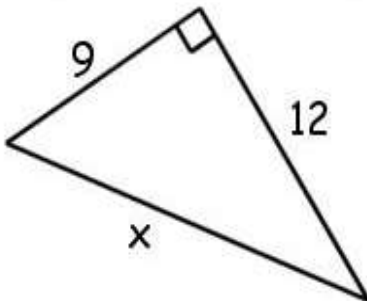
14m

11m
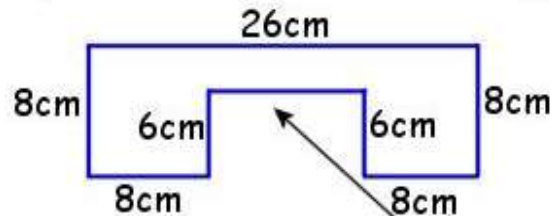
14m

22m

Working out:

Area = _____

6) Find the value of x.

9

12

x

Working out:

x = _____

7) Find the area of this shape.

26cm

8cm

6cm

6cm

8cm

8cm

8cm

a) Missing measurement = ☐ cm

b) Big area = ☐ cm^2

c) Small area = ☐ cm^2

d) Total area = ☐ cm^2

8) Convert the following.

   a) 54km = _____ _m_   b) 5 603mm = _____ _m_

9) Find the perimeter of this shape.

12m

9m

6m   6m   P = _____

3m

12m   6m

9m   P = _____
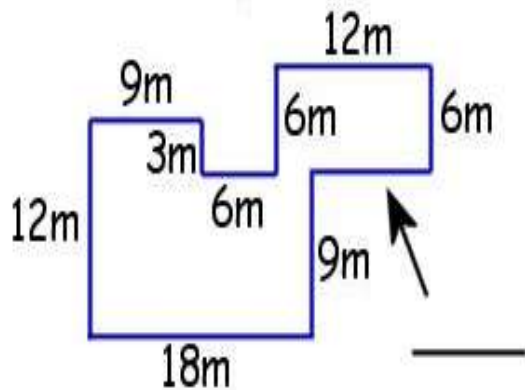
18m

_____

10) Find the volume of this rectangular prism.

20mm   a) = _____ X _____ X _____

56mm   b) = _____ X _____

88mm
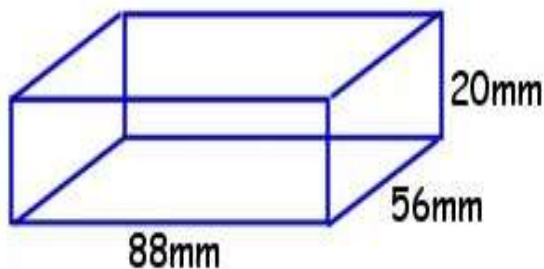
                       c) Volume = _____

11) How do we abbreviate 1 cubic metre ? ☐

12) Complete the following formulae.

a) Volume of a triangular prism = _____

b) Volume of a square or rectangular prism =

_____

13) Convert the following.

a) 862 grams = _____ kg

b) 2 939 kg = _____ t
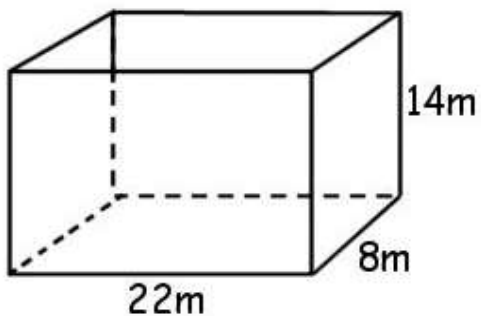
c) 3 195 t = _____ kg

d) 31 890mL = _____ L

e) 213L = _____ mL

f) 1L water = _____ kg

g) 27·8kL = _____ L

h) 21 000 000mL = _____ kL

i) 3 990kL = _____ ML

14) How much water is required to fill the storage tank below ?

14m

8m

22m

_____

_____   Result

_____

Capacity = _____

$\dfrac{}{30}$