

# Maths

paper 2

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## Instructions:

- When you are done with the test use /hint to check your results
- You are allowed a calculator
- The internet **can** be used during this test
- Read very carefully
- Answer every question

1 Solve the equations given that  $x = 52 + 2 - 10$

a)  $x + 10 =$

b)  $x - (4 * 2.75) =$

c)  $((x^2 + 10) / 97.3) - 19 =$

2 Solve the equations

a)  $100 - 1 =$

b)  $10 + 3 =$

c)  $3 * 2 =$

3 Solve the equations

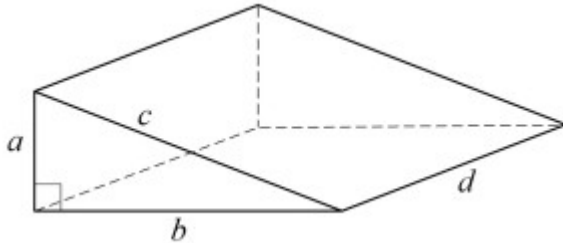
a)  $7 =$

b)  $8 + 346 =$

c)  $3 * 2 + 3 =$

25 And finally....

Here is a right-angled triangular prism.



The ratio of the edges is:  $a : b : c : d = 3 : 4 : 5 : 12$

The **Volume** of the prism is  $1125 \text{ cm}^3$

Work out the length of **all** of the edges of the prism

Then subtract 97

\_\_\_\_\_ cm