Geometry

18 18 V

TRIG. RATIOS

A Sides

B Angles

Complete.

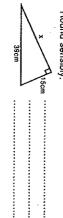
Calculate sides x, y and z.

Calculate angles A and B.

 b) If cos B = 0.4384, then B = a) If sin A = 0.3907, then A =

Triangles & Triples

Calculate the length of sides x, y and z. Round sensibly.



į	i	j. N
Ž	/	65mm
	38n	

- 2. Which of these is not a Pythagorean triple? ဂ A. 8, 10, 6 26, 24, 10 Þ 40, 9, 42 24, 7, 25

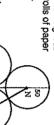
B Applications

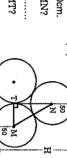
 Calculate the total length of the fence around this











(c) Calculate the length of NT and hence height H. b) How long is MT? a) How long is MN? with radius 50cm.

9

Calculate length x.

The street plan shows a

shortcut to Main Street



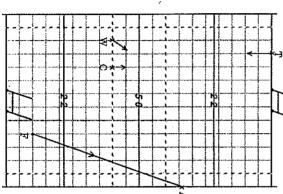
G Rugby

- This rugby field is 65m wide. What is the length of each grid square?
- The Fullback at F kicks the ball so that it goes out at A. Calculate the length of his clearing kick FA.

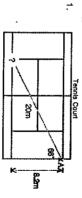
- The Centre and the Winger are both on the 10m line goes high and slightly to the right, but is only 25m long so the Centre can run onto it and attempt to catch it. (C and W). The Winger gives a centering 'bomb' kick which How far does the Centre have to run to make the catch?
- 4. Alty is scored at T and the Fullback walks back from the centre of the goal posts. point where the try was scored until he is 30m from the

How at from the goal line does he place his kicking tee?

Mark the Fullbacks kicking position on the field with a K. The state of the s



In Court



The 20m long shot of tennis player A makes an angle of 66 with the baseline, is the ball inside the (singles) court?

Julia is taking a free throw in a bash the basket, Julia aims for the squar ground. Julia is 1.7m tall. Calculate	?	20m	_
9the 600 (655)	K	<u> </u>	Ö
Julia is taking a free throw in a basketball game. She stands 5m directly in front of the basket. Julia aims for the square on the backboard which is 3.25m above the ground. Julia is 1.7m tall. Calculate the angle of elevation of the intended shot.	***************************************	***************************************	

2. Julia is taking a free throw in a ba



front wall...... This diagram shows the side view of a squash court. Calculate the height of the *************************************

..... в4

cross section of an attic. This diagram shows the

9

Calculate the length of path p.

Use AABD to calculate the height of the attic.

g

Use ABCD to balculate angle C.