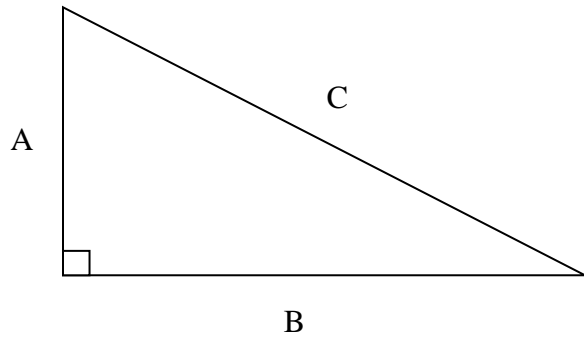**FOR 274 Assignment 1 [50 points]** Name: _____

This assignment should be completed and handed in to the assignment box in the FRFS office by noon on Monday 31st August.

1. Write down the equation for determining the radius of a circular plot when the area is known

2. Write down the equation for determining the length of the hypotenuse of a right angle trinagle:

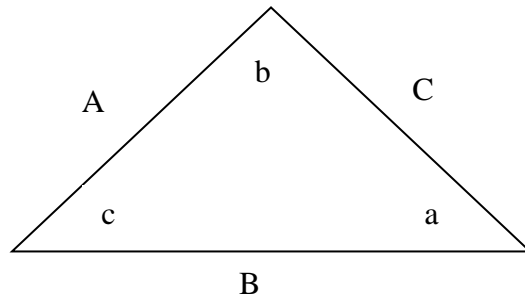3. Refer to the following figures to complete the following tables:

a)

A	B	C
10	20	
	50	60
10		45
30	60	

b) *Hint look up Sine rule.

a	b	c	A	B	C
60	50		100		
50	100			150	
60		60			50

4. Describe, with the aid of a diagram, how with only using paces how you might determine the height of a tree from its shadow length.

5. Calculate the <u>mean</u>, <u>standard deviation</u>, and <u>standard error</u> of these numbers:
9, 10, 8, 11, 10, 12, 7, 10, 8, 13, 12, 10, 6, 9, 7, 10, 14, 11, 10, 13