

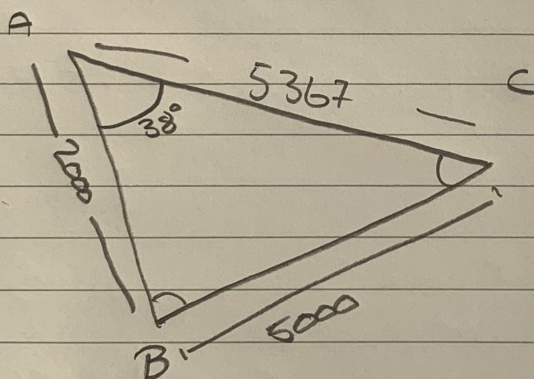
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Part time maths friday afternoons
maths Exam 1 06/11/2020 @ 1330

Question 3

iv) $\tan^2 x - 14 \tan x + 24 = 0$

b) Distance AC + Angles



Angle C =

Angle B =

cosine Rule

$$AC^2 = (2000)^2 + (5000)^2 - 2(2000)(5000) \cos 38$$

$$AC^2 = 4000000 + 25000000 - 1900000$$

$$AC = \sqrt{28,810,000}$$

$$AC = 5,367 \text{ m.}$$

$$29,000,000$$

Sin Rule

$$\frac{\sin B}{b} = \frac{\sin A}{a} = \frac{\sin C}{c}$$