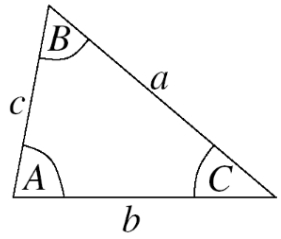
1 Non right-angle trigonometry

Given a triangle with no right angles, with sides and angles labelled as below, there are three useful rules that we can use:



Sine Rule

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

Cosine Rule

$c^2 = a^2 + b^2 - 2ab\cos C$

Area of triangle

$A = \frac{1}{2}ab\sin C$

Questions

(Answers - page **??**)
Questions go here

1. $(x + y)^3$
2. $(2x + y)^4$
3. $(2x - 3)^5$
4. $(3x + 2y)^4$
5. $(2x + \frac{1}{x^2})^4$