

Key Knowledge Nat 5 Quiz

Circumference of a Circle:

Area of a Circle:

Arc Formula:

Sector Formula :

Volume of Cylinder:

Volume of a prism:

Pythagoras formula:

Converse of Pythagoras steps:

1)

2)

3)

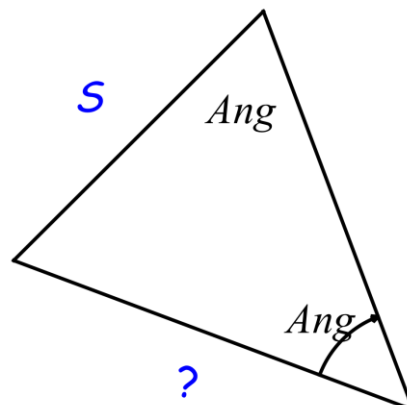
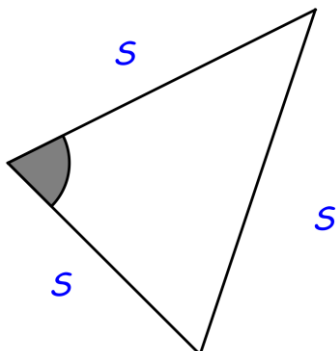
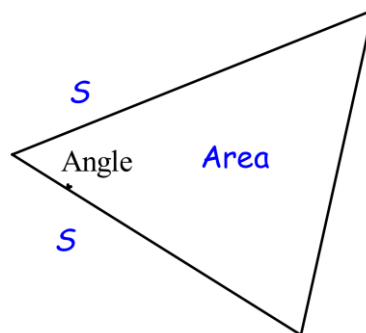
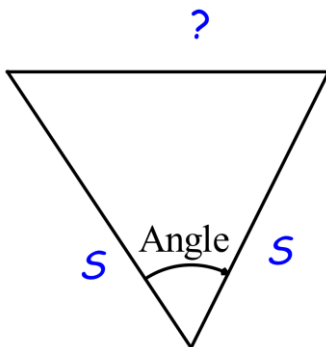
The four trig formulas are listed below connect each one to the correct diagrams

$$\frac{a}{\sin a} = \frac{b}{\sin b} = \frac{c}{\sin c}$$

$$a^2 = b^2 + c^2 - 2bc\cos A$$

$$\cos A = \frac{b^2 + c^2 - a^2}{2bc}$$

$$A_{\text{triangle}} = \frac{1}{2} ab\sin C$$



Factorising Priority

Example

Solution

1)

$$3x+12 \Rightarrow$$

2)

$$4a^2 - 25 \Rightarrow$$

3)

$$x^2 +4x + 3 \Rightarrow$$

Complete the square form

Form

Turning Point

Sketch

Form

Turning Point

Sketch

Rules of indices

Rules

Example

Trig Ratios

1)

2)

What are the three measures of central tendency? Define each one

1)

2)

3)

What are the three measures of spread? Define each one

1)

2)

3)

Angle Problems What to Look For

1)

2)

3)

4)

Exterior Angle :

Interior Angle :