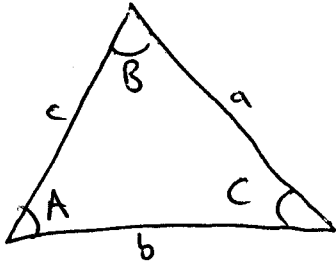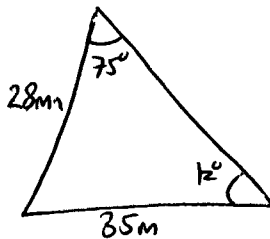Notes:

SIN + COS RULES

• Area $= \frac{1}{2}ab\sin C$

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

• $a^2 = b^2 + c^2 - 2bc\cos A$

EXAMPLE

1) FORMULA
$$\frac{\sin 75}{35} = \frac{\sin k}{28mm}$$

2) REARRANGE
$$\sin^{-1}\left(\frac{\sin(75)28}{35}\right) = k$$

3) SOLVE
$$k = 50 \cdot 6°$$

Comments: