M1.6 seen

May be on diagram

B1

tan 70 = $\frac{h}{(their 6) \div 2}$

oe, x being an equal side of isosceles triangle

sin 20 = $\frac{3}{x}$

cos 70 = $\frac{3}{x}$

$\frac{6}{\sin 40} = \frac{x}{\sin 70}$

M1

(*h* =) [8.2, 8.3]

[8.7, 8.8] eg 8.77

A1ft

$\frac{1}{2}$ × their 6 × their *h*

M1

$\frac{1}{2}$ × *their 6 × their 8.77 × sin 70*

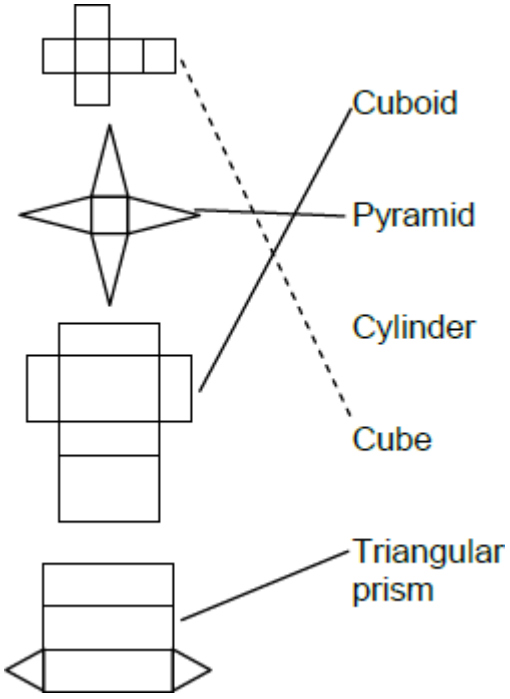
or $\frac{1}{2}$ × *their* 8.77^2 × *sin 40*

[24.3, 24.9]

A1ft

[5]

M2.



B2 any two correct
B1 any one correct

B3 **[3]**