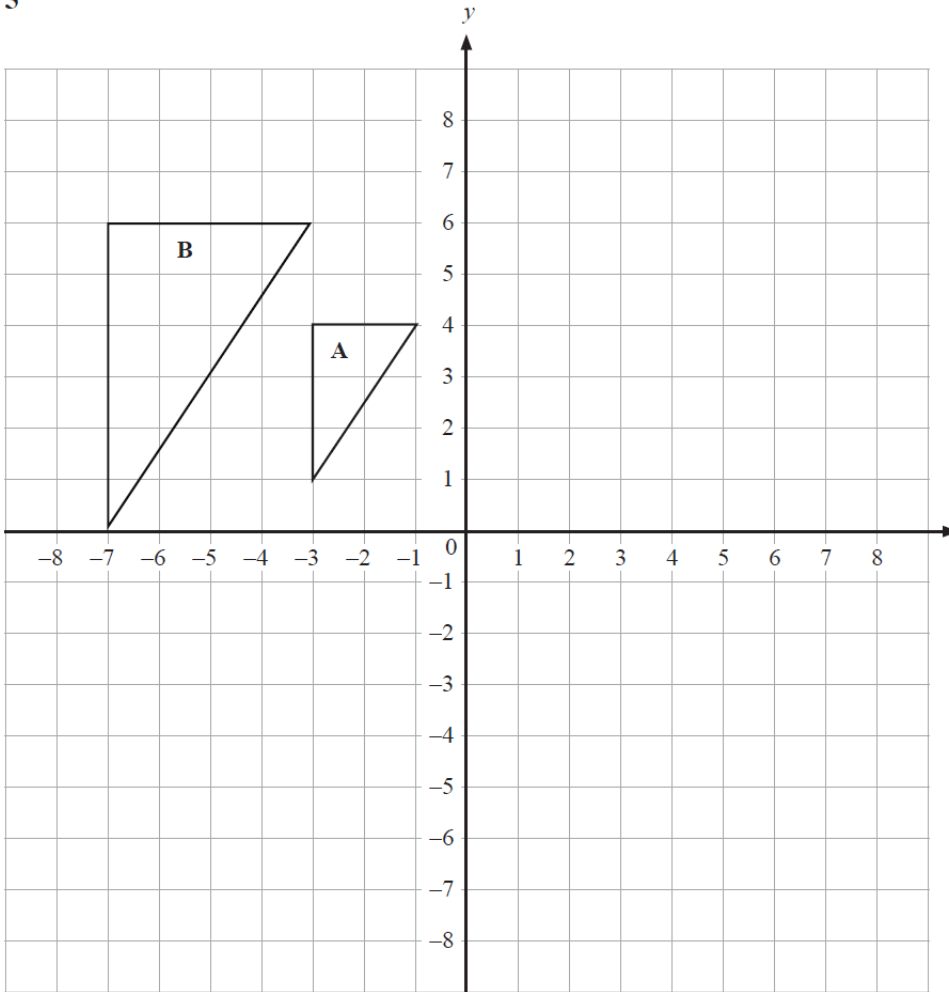


# M8 = 15 days to go!

5



(a) Describe fully the single transformation which will take triangle **B** to triangle **A**.

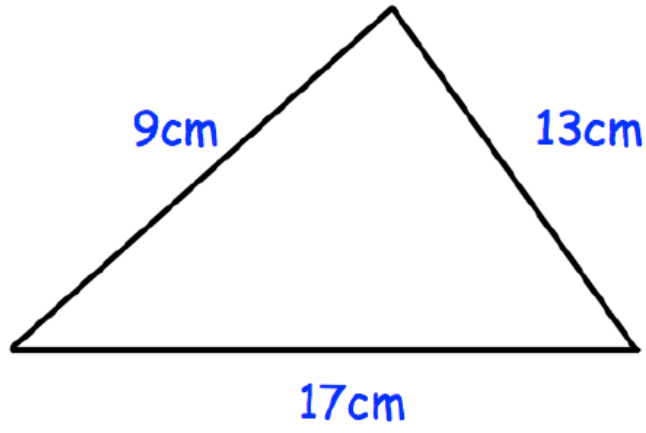
Answer \_\_\_\_\_ [3]

Evaluate

$$81^{-3/4}$$

.....  
(2)

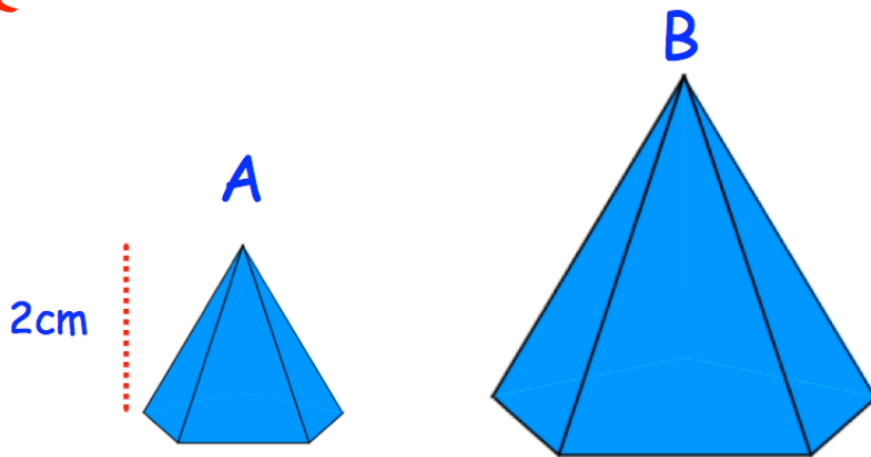
12.



Calculate the smallest angle in the triangle.

.....°  
(3)

20. Two pyramids are mathematically similar.



Pyramid A has a surface area of  $20\text{cm}^2$   
Pyramid B has a surface area of  $320\text{cm}^2$   
The height of pyramid A is 2cm

(a) Work out the height of pyramid B.

.....cm  
(3)