

# M3 = 8 days to go!

12 Calculate the size of angle  $x$  in this quadrilateral.

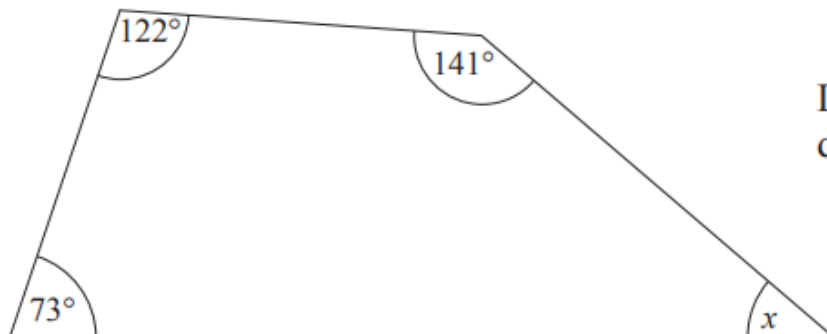


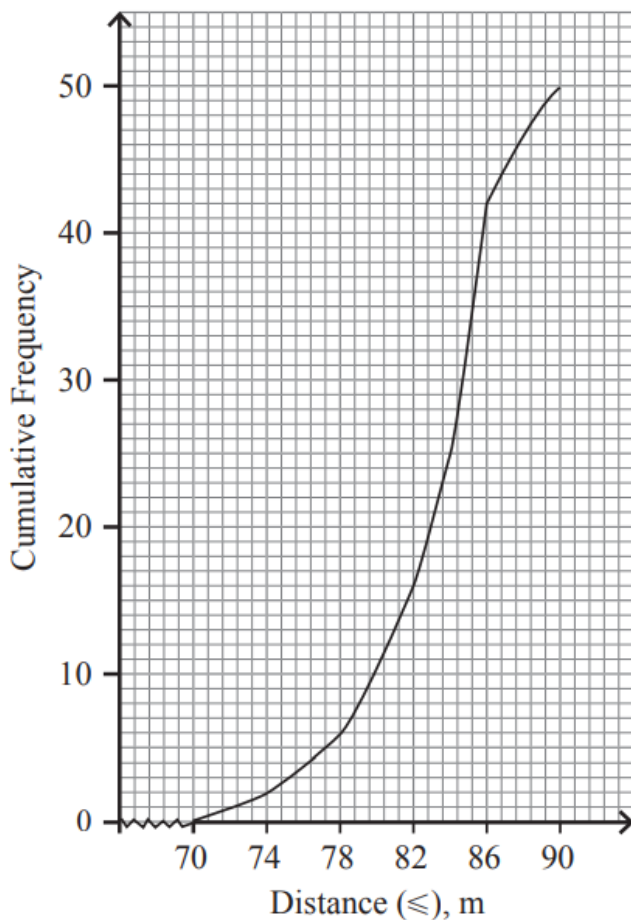
Diagram not  
drawn accurately

Answer  $x =$  \_\_\_\_\_  $^\circ$  [2]

24 Solve  $x^2 - 5x - 24 = 0$

Answer  $x =$  \_\_\_\_\_ [3]

18 The cumulative frequency graph shows the distances thrown by 50 competitors in a javelin competition.



(a) Use the graph to estimate the median distance thrown.

Answer \_\_\_\_\_ m [1]

(b) Use the graph to complete the two tables below.

(i)

Distance (less than or equal to), m	Cumulative Frequency
70	0
74	2
78	6
82	
86	
90	

(ii)

Distance $d$ (m)	Frequency
$66 < d \leq 70$	0
$70 < d \leq 74$	2
$74 < d \leq 78$	4
$78 < d \leq 82$	
$82 < d \leq 86$	
$86 < d \leq 90$	