

10 $M = \begin{pmatrix} 2 & x \\ -0.5 & -1.5 \end{pmatrix}$

Given that the determinant of matrix M is 0.5

find the value of x .

$x = \dots\dots\dots$

(Total for Question 10 is 2 marks)

11

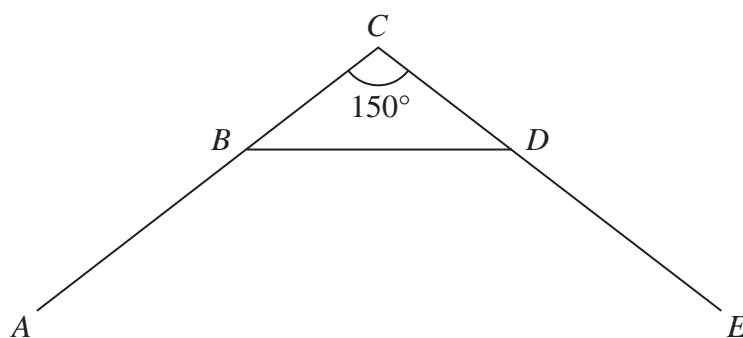


Diagram **NOT**
accurately drawn

In the diagram, AB , BD and DE are three sides of a regular polygon with n sides.

The point C is such that ABC and EDC are straight lines and $\angle BCD = 150^\circ$

Calculate the value of n .

$n = \dots\dots\dots$

(Total for Question 11 is 3 marks)

