

UNIT 31 *Angles and Symmetry***CSEC Multiple Choice Questions**

For each of these questions, choose the option that is TRUE. (All questions from past CXC papers.)

- The sizes of the interior angles of a polygon are x° , $2x^\circ$, 120° , $3x^\circ$, 36° and 120° .
What is the value of x ?

(A) 14
(B) 16
(C) 44
(D) 74
- The sum of three of the interior angles of a pentagon is 420° . If the remaining angles are equal, how much does each measure?

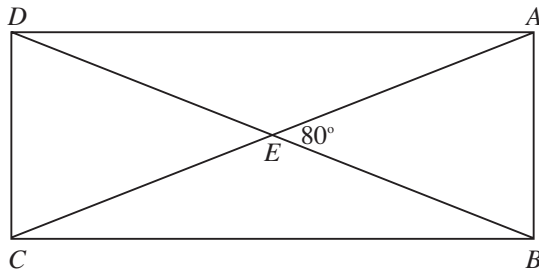
(A) 60°
(B) 90°
(C) 100°
(D) 108°
- The exterior angles and the interior angles of a polygon are equal.
How many sides does the polygon have?

(A) 3
(B) 4
(C) 5
(D) 6

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4.



In the rectangle above, if $\angle AEB = 80^\circ$, then $\angle DAC =$

- (A) 10°
- (B) 40°
- (C) 50°
- (D) 80°

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ANSWERS

1. D
2. A
3. B
4. B