

22

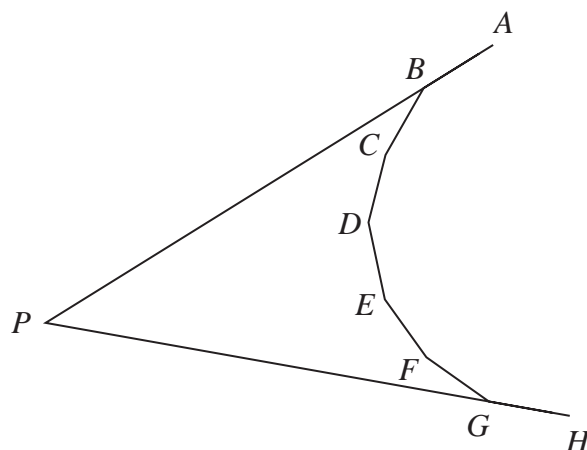


Diagram **NOT**  
accurately drawn

In the diagram  $AB$ ,  $BC$ ,  $CD$ ,  $DE$ ,  $EF$ ,  $FG$  and  $GH$  are seven sides of a regular  $n$ -sided polygon.

$ABP$  and  $HGP$  are straight lines.

The size of each exterior angle of the polygon is  $x^\circ$

The size of each interior angle of the polygon is  $7x^\circ$

Calculate the size of  $\angle GPB$

Show your working clearly.

DO NOT WRITE IN THIS AREA

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(Total for Question 22 is 5 marks)

