

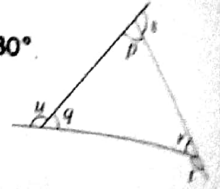
## 4.2 Sudut Pedalaman dan Sudut Peluaran

### MESTI TAHU

1.  $p$ ,  $q$  dan  $r$  ialah sudut pedalaman manakala  $s$ ,  $t$  dan  $u$  ialah sudut peluaran.
2. Sudut peluaran + sudut pedalaman =  $180^\circ$
3. Hasil tambah sudut pedalaman bagi suatu poligon dengan  $n$  sisi ialah  $(n - 2) \times 180^\circ$ .
4. Hasil tambah sudut peluaran bagi semua poligon dengan  $n$  sisi ialah  $360^\circ$ .
5. Bagi POLIGON SEKATA dengan  $n$  sisi:

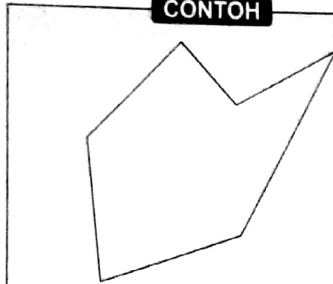
$$\text{Sudut pedalaman} = \frac{(n - 2) \times 180^\circ}{n}$$

$$\text{Sudut peluaran} = \frac{360^\circ}{n}$$



A. Hitung hasil tambah sudut pedalaman bagi setiap poligon yang berikut.

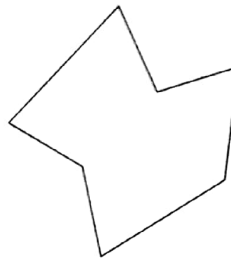
#### CONTOH



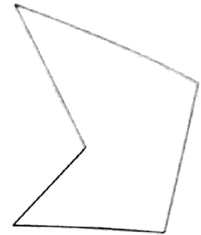
Bilangan sisi = 6

$$\begin{aligned} \text{Hasil tambah sudut pedalaman} &= (6 - 2) \times 180^\circ \\ &= 4 \times 180^\circ \\ &= 720^\circ \end{aligned}$$

1.

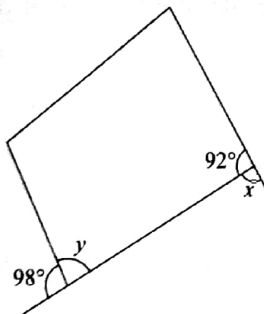


2.



B. Hitung nilai  $x$  dan nilai  $y$  dalam setiap poligon yang berikut.

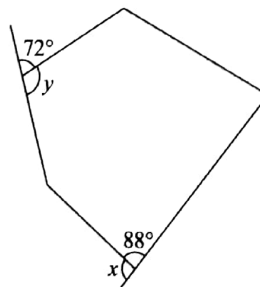
#### CONTOH



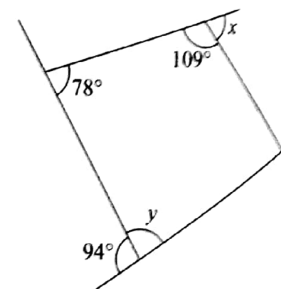
$$\begin{aligned} x + 92^\circ &= 180^\circ \\ x &= 180^\circ - 92^\circ \\ &= 88^\circ \end{aligned}$$

$$\begin{aligned} y + 98^\circ &= 180^\circ \\ y &= 180^\circ - 98^\circ \\ &= 82^\circ \end{aligned}$$

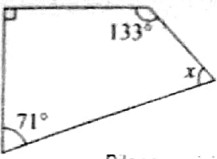
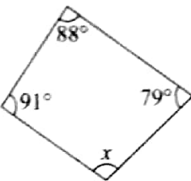
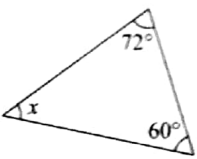
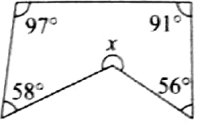
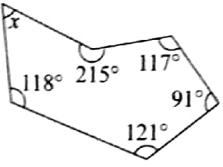
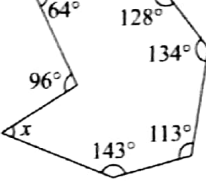
1.



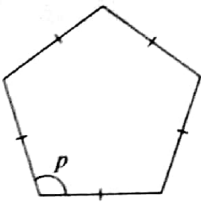
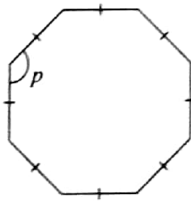
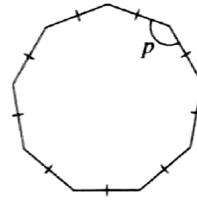
2.



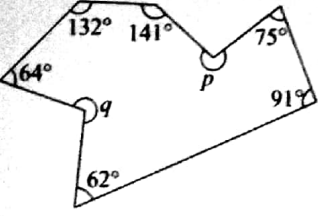
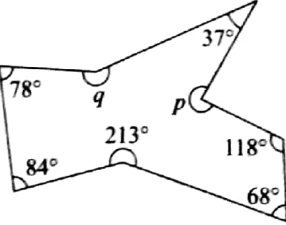
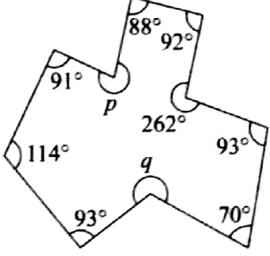
C. Hitung nilai  $x$  dalam setiap poligon yang berikut.

<p><b>CONTOH</b></p>  <p>Bilangan sisi = 4</p> $x + 71^\circ + 90^\circ + 133^\circ = (4 - 2) \times 180^\circ$ $x + 294^\circ = 360^\circ$ $x = 66^\circ$	<p>1.</p> 	<p>2.</p> 
<p>3.</p> 	<p>4.</p> 	<p>5.</p> 

D. Hitung nilai  $p$  dalam setiap poligon yang berikut.

<p><b>CONTOH</b></p>  $p = \frac{(5 - 2) \times 180^\circ}{5}$ $= 108^\circ$	<p>1.</p> 	<p>2.</p> 
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E. Hitung nilai  $p + q$  bagi setiap poligon yang berikut.

<p><b>CONTOH</b></p>  $64^\circ + 32^\circ + 141^\circ + p + 78^\circ + 91^\circ + 62^\circ + q$ $= (8 - 2) \times 180^\circ$ $p + q + 568^\circ = 1080^\circ$ $p + q = 512^\circ$	<p>1.</p> 	<p>2.</p> 
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