

Nama: _____

Kelas: _____

6.1 Sudut pada Lilitan dan Sudut Pusat yang Dicangkum oleh Suatu Lengkuk.

Padan jawab berikut:

$$\frac{x}{64^\circ} = \frac{3 \text{ cm}}{6 \text{ cm}}$$

$$x = \frac{1}{2} (64^\circ) = 32^\circ$$

$$\frac{48^\circ}{56^\circ} = \frac{x \text{ cm}}{4.2 \text{ cm}}$$

$$x = \frac{6}{7} (4.2) = 3.6 \text{ cm}$$

$$AB = BC$$

$$\angle AEB = \angle BDC$$

Maka / Thus,

$$\angle BDC = 32^\circ$$

$$CD = 2AB$$

$$\angle DAC = 2 \times \angle AEB$$

Maka / Thus,

$$\angle DAC = 2 \times 32^\circ = 64^\circ$$

$$x = 44^\circ$$

$$y = 44^\circ \times 2 = 88^\circ$$

$$\angle JKL = 48^\circ$$

$$\angle JOL = 2 \times \angle JKL = 2 \times 48^\circ = 96^\circ$$

$$\angle JML = \frac{1}{2} \times (360^\circ - 96^\circ)$$

$$= \frac{1}{2} \times 264^\circ$$

$$= 132^\circ$$

$$x = 360^\circ - 128^\circ = 232^\circ$$

$$y = \frac{232^\circ}{2}$$

$$= 116^\circ$$

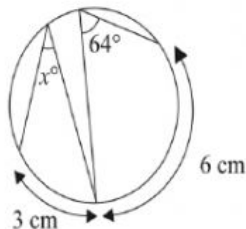
$$x = 6.3 \text{ cm}$$

$$x = 80^\circ$$

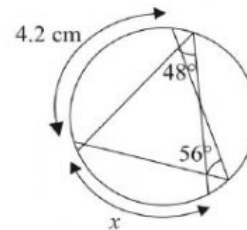
1

Hitung nilai x berdasarkan rajah yang berikut.
Calculate the value of x based on the following diagrams. **TP1 TP2**

(a)



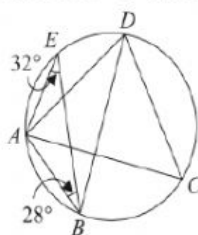
(b)



2

Rajah 1 menunjukkan sebuah bulatan, $ABCDE$.
 $AB = BC$ dan $CD = 2AB$. Diberi $\angle AEB = 32^\circ$ dan $\angle ABE = 28^\circ$.

Diagram 1 shows a circle, $ABCDE$. $AB = BC$ and $CD = 2AB$. Given $\angle AEB = 32^\circ$ and $\angle ABE = 28^\circ$.



Rajah 1 / Diagram 1

(i) Cari nilai $\angle BDC$.

Find the value of $\angle BDC$.

[1 markah / 1 mark]

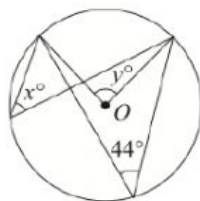
(ii) Cari nilai $\angle DAC$.

Find the value of $\angle DAC$.

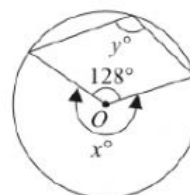
3

Hitung nilai x dan y berdasarkan rajah yang berikut.
Calculate the values of x and y based on the following diagrams. **TP 1 TP 2**

(a)

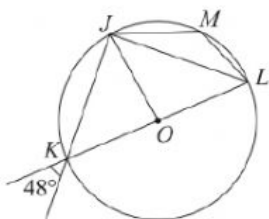


(b)



4.

Rajah 1 menunjukkan sebuah bulatan, $JKLM$.
 O ialah pusat sebuah bulatan.
Diagram 1 shows a circle, $JKLM$. O is the centre of the circle.



Rajah 1 / Diagram 1

(i) Cari nilai $\angle JOL$.

Find the value of $\angle JOL$.

[2 markah / 2 marks]

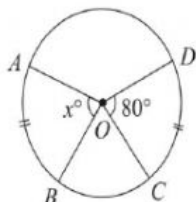
(ii) Cari nilai $\angle JML$.

Find the value of $\angle JML$.

5

Hitung nilai x berdasarkan rajah yang berikut.
Calculate the value of x based on the following diagrams. **TP 1 TP 2**

(a)



(b)

