TINGKATAN 3

BAB 6

Praktis Sumatif

Bahagian A

1 $x = \frac{70°}{2} = 35°$

Jawapan: **B**

2 Segi tiga ABC ialah segi tiga sama sisi.
$\angle BAC = \angle DAC = 60°$
$\therefore \angle BAD = 120°$
$\angle ABD = \angle ADB = x°$
$x = \frac{180° - 120°}{2} = 30°$
Jawapan: **C**

3 $\angle POR = 360° - 46° - 90° - 90° = 134°$
Sudut $PSR = \frac{134°}{2} = 67°$
Jawapan: **D**

4 $\angle FEG = \angle FHG = 39°$
$\angle FTE = 180° - 39° - 17° = 124°$
$x = 180° - 124° = 56°$
Jawapan: **B**

5 $\angle MON = 180° - 90° - 36° = 54°$
$x = \frac{54°}{2} = 27°$
Jawapan: **A**

6 $s = \angle PQM = 108°$
$\angle QMN = 180° - 76° = 104°$
$\angle QPN = 76°$
$r = 76° - 40° = 36°$
$r + s = 108° + 36°$
$= 144$
Jawapan: **C**

7 $a = 180° - 145° = 35°$
$a = b = c = 35°$
$d = 2(35°) = 70°$
$a + b + c + d = 35° + 35° + 35° + 70°$
$= 175°$
Jawapan: **D**

8 $\angle OCN = 90°$
$\angle OCB = \angle OBC$
$= 90° - 63°$
$= 27°$
$x = 90° - \angle OBC$
$= 90° - 27°$
$= 63°$
Jawapan: **D**

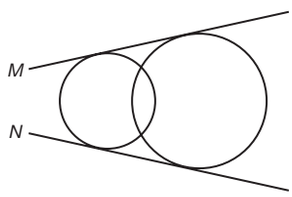
9 $\angle ACB = 90°$
$\angle OAC = \angle OCA = 27°$
$\angle OCB = 90° - 27° = 63°$
$x + 2x = 63°$
$3x = 63°$
$x = 21°$
Jawapan: **B**

10 Biar $x = y = k$ kerana panjang lengkok $ST = UV$.
Panjang lengkok $UT = 4k$
$4k = 64°$
$k = 16°$
$\therefore x = y = 16°$
$x + y = 16° + 16° = 32°$
Jawapan: **B**

Bahagian B

1 (a) (i) Pasangan sudut dengan nilai yang sama: $a = b$, $g = h$
(ii) Pasangan sudut bernilai dua kali ganda dengan nilai pasangannya:
$c = 2a = 2b$

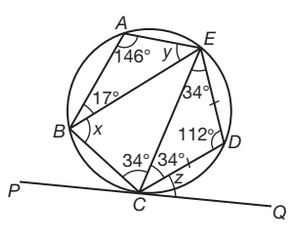
(b)



2 (a) Benar
(b) Palsu
(c) Palsu
(d) Benar

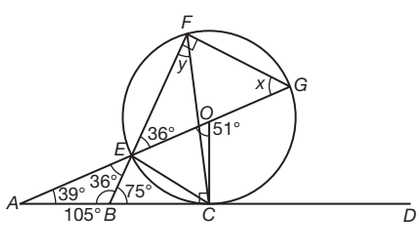
Bahagian C

1 (a) (i) $x = 180° - 112° = 68°$
(ii) $\angle CED = \angle ECD$
$= \frac{180° - 112°}{2}$
$= 34°$
Panjang lengkok CD = 2 kali ganda panjang lengkok AB
$y = \frac{34°}{2} = 17°$



(iii) $z = \angle CED$
$= 34°$

(b) (i) $\angle ACO = 90°$
$\angle AOC = 180° - 90° - 39°$
$= 51°$
$y = \frac{51°}{2} = 25.5°$
$\angle ABE = 180° - 75° = 105°$
$\angle BEA = \angle FEG$
$= 180° - 39° - 105°$
$= 36°$
$\angle EFG = 90°$
$x = 180° - 90° - 36°$
$= 54°$
$x - 2y = 54° - 2(25.5°)$
$= 3°$



(ii) Sudut yang mempunyai nilai yang sama dengan $x = \angle FCE$.