

Penyelesaian Lengkap

PRAKTIS 9

Bahagian A

- 1 Bilangan pepenjuru
Number of diagonals

$$\begin{aligned} &= \frac{n(n-3)}{2} \\ &= \frac{6(3)}{2} \\ &= 9 \end{aligned}$$

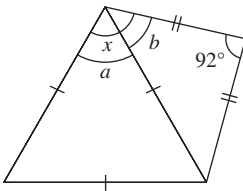
Jawapan/Answer: D

- 2 Jawapan/Answer: B

3 $x = \frac{38^\circ}{2} = 19^\circ$

Jawapan/Answer: A

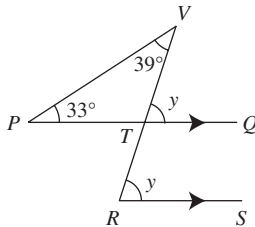
4



$$\begin{aligned} a &= \frac{180^\circ}{3} = 60^\circ \\ b &= \frac{180^\circ - 92^\circ}{2} = 44^\circ \\ x &= a + b \\ &= 60^\circ + 44^\circ \\ &= 104^\circ \end{aligned}$$

Jawapan/Answer: B

5



$$\begin{aligned} y &= 33^\circ + 39^\circ \\ &= 72^\circ \end{aligned}$$

Jawapan/Answer: A

6 $x + 16^\circ + 81^\circ = 123^\circ$

$$x + 97^\circ = 123^\circ$$

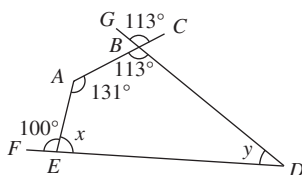
$$x = 26^\circ$$

$$\begin{aligned} y &= 180^\circ - 26^\circ - 81^\circ \\ &= 73^\circ \end{aligned}$$

$$\begin{aligned} y - x &= 73^\circ - 26^\circ \\ &= 47^\circ \end{aligned}$$

Jawapan/Answer: B

7



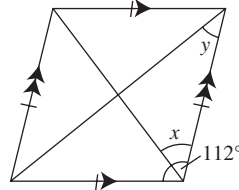
$$x = 180^\circ - 100^\circ = 80^\circ$$

$$\begin{aligned} y &= 360^\circ - 113^\circ - 131^\circ - 80^\circ \\ &= 36^\circ \end{aligned}$$

$$x - y = 80^\circ - 36^\circ = 44^\circ$$

Jawapan/Answer: B

8

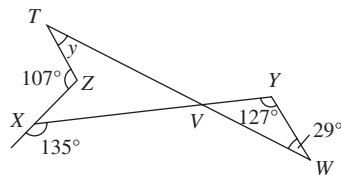


$$x = \frac{112^\circ}{2} = 56^\circ$$

$$\begin{aligned} y &= 180^\circ - 56^\circ - 90^\circ \\ &= 34^\circ \end{aligned}$$

Jawapan/Answer: B

9



$$\begin{aligned} \angle YVW &= \angle TVX \\ &= 180^\circ - 127^\circ - 29^\circ \\ &= 24^\circ \end{aligned}$$

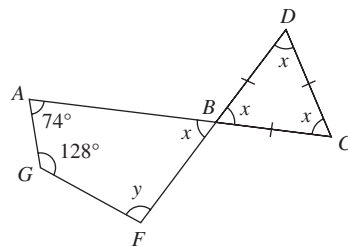
$$\begin{aligned} \text{Sudut reflex/Reflex angle TZX} &= 360^\circ - 107^\circ \\ &= 253^\circ \end{aligned}$$

$$\begin{aligned} \angle ZXV &= 180^\circ - 135^\circ \\ &= 45^\circ \end{aligned}$$

$$\begin{aligned} y &= 360^\circ - 24^\circ - 45^\circ - 253^\circ \\ &= 38^\circ \end{aligned}$$

Jawapan/Answer: C

10



$$x = \frac{180^\circ}{3} = 60^\circ$$

$$\begin{aligned} y &= 360^\circ - 128^\circ - 74^\circ - 60^\circ \\ &= 98^\circ \end{aligned}$$

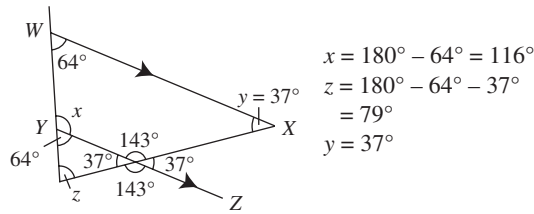
$$\begin{aligned} y - x &= 98^\circ - 60^\circ \\ &= 38^\circ \end{aligned}$$

Jawapan/Answer: A

11 $\angle UPQ = \angle USQ = 72^\circ$
 $\angle PRT = 180^\circ - 72^\circ - 40^\circ$
 $= 68^\circ$

Jawapan/Answer: B

12



Jawapan/Answer: D

Bahagian B

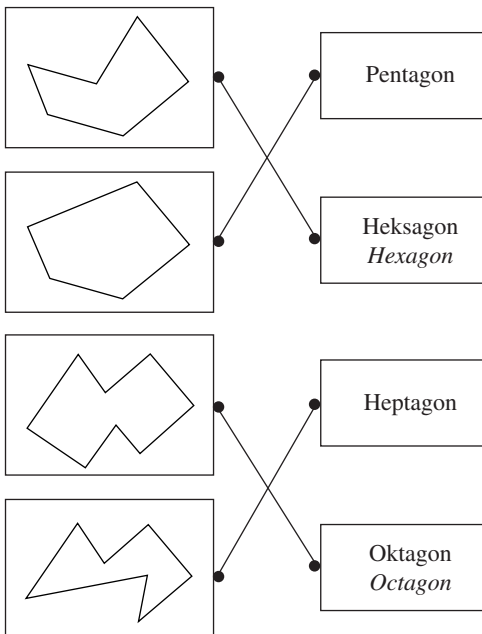
1 (a)

Segi empat sama <i>Square</i>	Segi tiga sama kaki <i>Isosceles triangle</i>	Segi empat tepat <i>Rectangle</i>
Lelayang <i>Kite</i>	Segi empat selari <i>Parallelogram</i>	Rombus <i>Rhombus</i>

(b) (i) Bilangan pepenjurus heksagon
Number of diagonals of hexagon
 $= \frac{6(6-3)}{2}$
 $= 9$

(ii) Bilangan pepenjurus oktagon
Number of diagonals of octagon
 $= \frac{8(8-3)}{2}$
 $= 20$

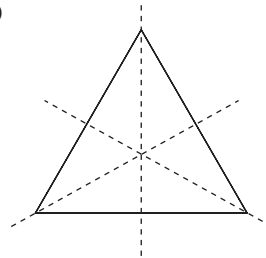
2 (a)



- 3 (a) ✗ (b) ✓
 (c) ✗ (d) ✓
 4 (a) PALSU/FALSE (b) BENAR/TRUE
 (c) BENAR/TRUE (d) PALSU/FALSE

Bahagian C

- 1 (a) (i) Segi tiga sama sisi/*Equilateral triangle*
 (ii)



Bilangan paksi simetri = 3
Number of axes of symmetry = 3

(b) $x = 180^\circ - 71^\circ - 55^\circ$
 $= 54^\circ$
 $180^\circ - 94^\circ = 86^\circ$
 $79^\circ - 54^\circ = 25^\circ$
 $y = 360^\circ - 86^\circ - 123^\circ - 25^\circ$
 $= 126^\circ$

(c) $\angle TYZ = 180^\circ - 137^\circ$
 $= 43^\circ$
 $\angle VTZ = \angle TVZ$
 $= 43^\circ + 22^\circ$
 $= 65^\circ$
 $x = 180^\circ - 2(65^\circ) = 50^\circ$

- 2 (a) (i) Nonagon
 (ii) Bilangan bucu/*Number of vertices* = 9
 Bilangan pepenjurus/*Number of diagonals*
 $= \frac{9(9-3)}{2}$
 $= 27$

(b) $\angle CDF = \angle CFD$
 $= \frac{180^\circ - 28^\circ}{2}$
 $= 76^\circ$

$a = 180^\circ - 76^\circ = 104^\circ$
 $\angle AFE = 126^\circ - 76^\circ$
 $= 50^\circ$
 $b = 90^\circ - 50^\circ$
 $= 40^\circ$

(c) $\angle SUT = \angle UST$
 $= \frac{180^\circ - 36^\circ}{2}$
 $= 72^\circ$
 $\angle SVU = \angle VSU$
 $= \angle SUV$
 $= \frac{180^\circ}{3}$
 $= 60^\circ$
 $\angle VUT = \angle SUT - \angle SUV$
 $= 72^\circ - 60^\circ$
 $= 12^\circ$