

Bahagian A
Section A

[100 markah]
[100 marks]

Jawab **semua** soalan.
Answer all questions.

- 1 Yang manakah nilai integer terbesar bagi integer berikut?
Which is the largest integer for the following integer?

A -100	C 50
B 0	D 100

- 2 Selesaikan

$$\frac{-11 + (-4)}{-12 - (-9)}$$

A -5	C 3
B -3	D 5

- 3 $\frac{3}{7} - 1\frac{2}{7} =$

A $-\frac{6}{7}$
B $\frac{6}{7}$
C $\frac{5}{7}$
D $\frac{5}{7}$

- 4 Rajah menunjukkan satu garis nombor.
Diagram shows a number line.



Cari nilai x.
Find the value of x.

A -0.7	C 0.07
B -0.021	D 0.7

- 5 Yang manakah faktor perdana bagi 90?
Which is the prime factor of 90?

- A 3 C 10
B 9 D 15
- 6 Yang manakah gandaan sepunya bagi 2 dan 8?
Which is a common multiple of 2 and 8?
- A 14 C 20
B 16 D 18
- 7 Antara berikut, yang manakah **bukan** kuasa dua sempurna?
*Which of the following is **not** a perfect square?*
- A 4 C 66
B 49 D 81
- 8 Diberi $(0.15)^2 = 0.0225$, cari nilai bagi $(1.5)^2$.
Given $(0.15)^2 = 0.0225$, find the value of $(1.5)^2$.
- A 0.0225 C 2.25
B 0.225 D 225
- 9 Cari nilai bagi $\sqrt{25 \times 36}$.
Find the value of $\sqrt{25 \times 36}$.
- A 10 C 30
B 12 D 61
- 10 Antara berikut, yang manakah mewakili nisbah bagi 5 minggu kepada 42 hari kepada 2 minggu?
Which of the following represents the ratio of 5 weeks to 42 days to 2 weeks?
- A 5:42:2
B 5:7:2
C 9:1:7
D 5:6:2
- 11 Diberi bahawa $x = 6$ dan $y = -9$, cari nilai bagi $11x + y - 3$.
Given that $x = 6$ and $y = -9$, find the value of $11x + y - 3$.
- A -72 C 54
B -54 D 72
- 12 Nyatakan pekali bagi x dalam sebutan $-\frac{x}{100}$.
State the coefficient of x in terms of $-\frac{x}{100}$.

- A - 100
 B $-\frac{1}{100}$
 C $\frac{1}{100}$
 D 100
- 13 Permudahkan $3a + 4b - 4a + b$.
Simplify $3a + 4b - 4a + b$.
- A $a - 5b$
 B $7a + 5b$
 C $5b - a$
 D $5b - 7a$
- 14 Permudahkan $5y \times 3x \times y$.
Simplify $5y \times 3x \times y$.
- A $15xy$
 B $15xy^2$
 C $8xy$
 D $8xy^2$
- 15 $\frac{63p^4}{6q} \div \frac{9p^2}{36pq^2}$
- A $24p^3q$
 B $24p^4q$
 C $42p^3q$
 D $41p^4q$
- 16 Antara berikut, yang manakah bukan persamaan linear dalam satu pemboleh ubah?
Which of the following is a non-linear equation in one variable?
- A $4 - d = 1$
 B $4 + 2m = -5$
 C $11 + 3q = 21$
 D $9x^2 - 1 = 98$
- 17 Suatu nombor didarab dengan 4 dan ditambah dengan 7, hasilnya ialah 39.
A number is multiplied by 4 and added to 7, the result is 39.
 Antara berikut, yang manakah merupakan persamaan bagi pernyataan yang di diberikan?
Which of the following is the equation for the given statement?

- A $4k + 7 = 39$
- B $4k - 7 = 39$
- C $4(k+7) = 39$
- D $4(k-7) = 39$

- 18 Jika $1 + z = 13$, maka z
If $1 + z = 13$, thus z

- A -2
- B -12
- C 2
- D 12

- 19 Bentukkan satu persamaan linear bagi situasi di bawah.
Form a linear equation for the situation below.

Afif mempunyai x batang pensel dan y batang pen. Jumlah pensel dan pen yang dimiliki oleh afif ialah 15.

Afif has x pencils and y pens. The number of pencils and pens owned by Afif is 15.

- A $x + y = 15$
- B $xy = 15$
- C $x + 15 = y$
- D $y + 15 = x$

- 20 $2p + 5q = 54$, apabila $q = 0$, $p = ?$
 $2p + 5q = 54$, when $q = 0$, $p = ?$

- A 27
- B 29
- C 25
- D 26

- 21 Antara berikut, yang manakah persamaan linear dalam dua pemboleh ubah?
Which of the following is a linear equation in two variables?

- A $y^2 = 81$
- B $\frac{1}{2} + n = 15$
- C $3a = 5 - 2b$
- D $p(2 + p) = q$

- 22 Selesaikan persamaan linear serentak berikut dengan menggunakan kaedah penggantian.
Solve the following simultaneous linear equations by using substitution method.

$$2x - y = 4$$

$$x - y = -3$$

Apakah nilai x dan y ?
What isi x and y ?

- A 7,10
- B 10,7
- C 7,0
- D 0,7

- 23 Selesaikan persamaan linear serentak berikut dengan menggunakan kaedah penggantian.
Solve the following simultaneous linear equations by using substitution method.

$$a + b = 2$$

$$5a - 3b = 26$$

Apakah nilai a dan b ?
What isi a and b ?

- A 2,-2
- B 4,-2
- C 4,2
- D -2,2

- 24 Selesaikan persamaan linear serentak berikut dengan menggunakan kaedah penghapusan.
Solve the following simultaneous linear equations by using elimination method.

$$3t + u = 5$$

$$t - u = -1$$

Apakah nilai t dan u ?
What isi t and u ?

- A 1,11
- B 11,1
- C -1,2
- D 1,2

- 25 Simbol ketaksamaan manakah yang patut diisikan di dalam petak itu?
Which inequality symbol should be filled in the box?

$$4 \quad \boxed{} \quad 6$$

- A $\leq$
- B $\geq$
- C $<$
- D $>$

- 26 Simbol ketaksamaan manakah yang patut diisikan di dalam petak itu?
Which inequality symbol should be filled in the box?

$$11 - (-5) \quad \boxed{} \quad -6 - (-5)$$

- A $\leq$
B $\geq$
C $<$
D $>$
- 27 Simbol ketaksamaan manakah yang patut diisikan di dalam petak itu?
Which inequality symbol should be filled in the box?

$$\frac{-0.9}{6} \quad \boxed{} \quad \frac{2.1}{6}$$

- A $\leq$
B $\geq$
C $<$
D $>$
- 28 Sudut pada garis lurus ialah
Angle on a straight line is
- A 90°
B 180°
C 360°
D 45°
- 29 Sudut oleh satu putaran lengkap ialah
Angle of one whole turn is

- A 90°
B 180°
C 360°
D 45°

- 30 Bilangan pepenjuru bagi oktagon ialah
Number of diagonals of octagon

- A 14
B 27
C 20
D 0

- 31 Bilangan bucu bagi nonagon ialah
Number of vertices of nonagon is

- A 9

- B 8
- C 7
- D 6

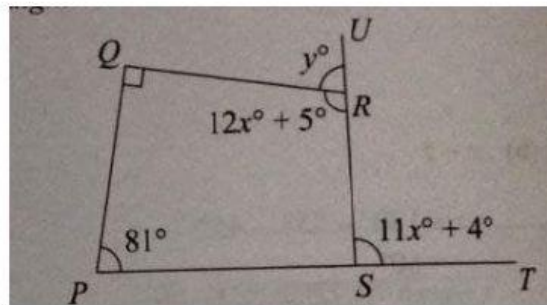
32 Semua sudut pedalaman untuk segi tiga tak sama kaki adalah _____.
All interiors angles for scalene triangle are _____.

- A sama/equal
- B tidak sama/not equal
- C 90°
- D Tiada jawapan/no answer

33 Antara berikut, yang manakah **bukan** jenis sisi empat?
*Which of the following answer is **not** the types of quadrilaterals?*

- A Rombus / Rhombus
- B Lelayang / Kite
- C Trapezium / Trapezium
- D Heptagon / Heptagon

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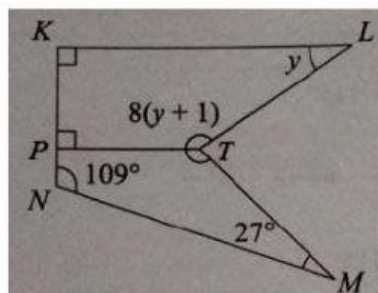


Rajah menunjukkan sebuah sisi empat, PQRS dan garis lurus PST dan SRU.
Cari nilai x dan y .

*Diagram shows a quadrilateral, PQRS and a straight line PST and SRU.
Find the value of x and y .*

- A $x = 8^\circ, y = 79^\circ$
- B $x = 79^\circ, y = 8^\circ$
- C $x = 89^\circ, y = 79^\circ$
- D $x = 8^\circ, y = 89^\circ$

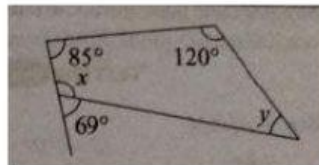
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Rajah di bawah menunjukkan dua sisi empat, $KLTP$ dan $PTMN$. Cari nilai y .
 The diagram below shows two quadrilaterals, $KLTP$ and $PTMN$. Find y .

- A 30°
- B 24°
- C 34°
- D 43°

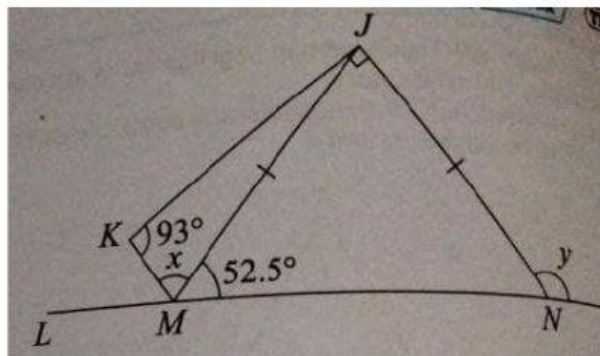
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Cari nilai y .
 Find the value of y .

- A 4°
- B 14°
- C 24°
- D 44°

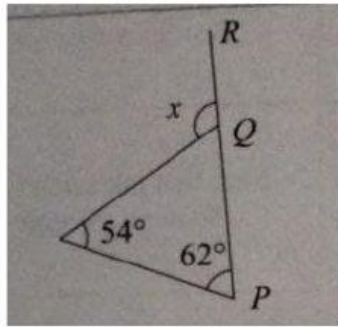
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Cari nilai $2x - y$.
 Find the value of $2x - y$.

- A 127.5°
- B 16.5°
- C 72°
- D 44°

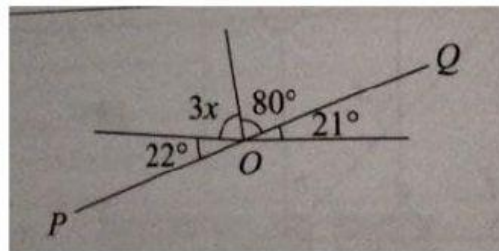
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Cari nilai x .
Find the value of x .

- A 108°
- B 110°
- C 116°
- D 126°

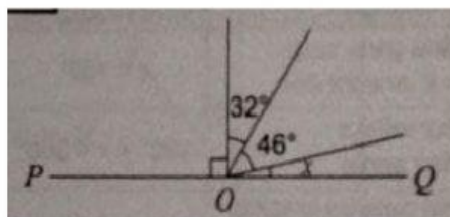
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Cari nilai bagi $3x$.
Find the value of $3x$.

- A 78°
- B 26°
- C 24°
- D 55°

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Cari nilai bagi x .
Find the value of x .

- A 15°
- B 21°
- C 12°
- D 51°