

SULIT



LEMBAGA PEPERIKSAAN
KEMENTERIAN PENDIDIKAN MALAYSIA

SIJIL PELAJARAN MALAYSIA 2017

MATHEMATICS

Kertas 1

Jun

$1\frac{1}{4}$ jam

1449/1

Satu jam lima belas minit

JANGAN BUKA KERTAS PEPERIKSAAN INI SEHINGGA DIBERITAHU

1. *Kertas peperiksaan ini adalah dalam dwibahasa.*
2. *Soalan dalam bahasa Inggeris mendahului soalan yang sepadan dalam bahasa Melayu.*
3. *Calon dikehendaki membaca maklumat di halaman belakang kertas peperiksaan ini.*

Kertas peperiksaan ini mengandungi 32 halaman bercetak.

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MATHEMATICAL FORMULAE
RUMUS MATEMATIK

The following formulae may be helpful in answering the questions. The symbols given are the ones commonly used.

Rumus-rumus berikut boleh membantu anda menjawab soalan. Simbol-simbol yang diberi adalah yang biasa digunakan.

RELATIONS
PERKAITAN

1 $a^m \times a^n = a^{m+n}$

2 $a^m \div a^n = a^{m-n}$

3 $(a^m)^n = a^{mn}$

4 $A^{-1} = \frac{1}{ad-bc} \begin{pmatrix} d & -b \\ -c & a \end{pmatrix}$

5 Distance / Jarak
 $= \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

6 Midpoint / Titik tengah
 $(x, y) = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$

7 Average speed = $\frac{\text{distance travelled}}{\text{time taken}}$

Purata laju = $\frac{\text{jarak yang dilalui}}{\text{masa yang diambil}}$

8 Mean = $\frac{\text{sum of data}}{\text{number of data}}$

Min = $\frac{\text{hasil tambah nilai data}}{\text{bilangan data}}$

9 Mean = $\frac{\text{sum of (midpoint} \times \text{frequency)}}{\text{sum of frequencies}}$

Min = $\frac{\text{hasil tambah (nilai titik tengah kelas} \times \text{kekerapan)}}{\text{hasil tambah kekerapan}}$

10 Pythagoras Theorem
Teorem Pithagoras

$$c^2 = a^2 + b^2$$

11 $P(A) = \frac{n(A)}{n(S)}$

12 $P(A') = 1 - P(A)$

13 $m = \frac{y_2 - y_1}{x_2 - x_1}$

14 $m = -\frac{y\text{-intercept}}{x\text{-intercept}}$

$$m = -\frac{\text{pintasan } y}{\text{pintasan } x}$$

**SHAPES AND SPACE
BENTUK DAN RUANG**

- 1 Area of trapezium = $\frac{1}{2} \times \text{sum of parallel sides} \times \text{height}$
Luas trapezium = $\frac{1}{2} \times \text{hasil tambah dua sisi selari} \times \text{tinggi}$
- 2 Circumference of circle = $\pi d = 2\pi r$
Lilitan bulatan = $\pi d = 2\pi j$
- 3 Area of circle = πr^2
Luas bulatan = πj^2
- 4 Curved surface area of cylinder = $2\pi rh$
Luas permukaan melengkung silinder = $2\pi jt$
- 5 Surface area of sphere = $4\pi r^2$
Luas permukaan sfera = $4\pi j^2$
- 6 Volume of right prism = cross sectional area \times length
Isi padu prisma tegak = luas keratan rentas \times panjang
- 7 Volume of cylinder = $\pi r^2 h$
Isi padu silinder = $\pi j^2 t$
- 8 Volume of cone = $\frac{1}{3} \pi r^2 h$
Isi padu kon = $\frac{1}{3} \pi j^2 t$
- 9 Volume of sphere = $\frac{4}{3} \pi r^3$
Isi padu sfera = $\frac{4}{3} \pi j^3$
- 10 Volume of right pyramid = $\frac{1}{3} \times \text{base area} \times \text{height}$
Isi padu piramid tegak = $\frac{1}{3} \times \text{luas tapak} \times \text{tinggi}$
- 11 Sum of interior angles of a polygon
Hasil tambah sudut pedalaman poligon
 $= (n - 2) \times 180^\circ$

$$12 \quad \frac{\text{arc length}}{\text{circumference of circle}} = \frac{\text{angle subtended at centre}}{360^\circ}$$

$$\frac{\text{panjang lengkok}}{\text{lilitan bulatan}} = \frac{\text{sudut pusat}}{360^\circ}$$

$$13 \quad \frac{\text{area of sector}}{\text{area of circle}} = \frac{\text{angle subtended at centre}}{360^\circ}$$

$$\frac{\text{luas sektor}}{\text{luas bulatan}} = \frac{\text{sudut pusat}}{360^\circ}$$

$$14 \quad \text{Scale factor, } k = \frac{PA'}{PA}$$

$$\text{Faktor skala, } k = \frac{PA'}{PA}$$

$$15 \quad \text{Area of image} = k^2 \times \text{area of object}$$

$$\text{Luas imej} = k^2 \times \text{luas objek}$$

- 1 Express 780 200 in standard form.
Ungkapkan 780 200 dalam bentuk piawai.
- A 7.802×10^6
- B 7.802×10^5
- C 7.802×10^{-5}
- D 7.802×10^{-6}
- 2 State the time, in second, for the month of April and express the answer in standard form.
Nyatakan masa, dalam saat, untuk bulan April dan ungkapkan jawapan dalam bentuk piawai.
- A 4.320×10^4
- B 4.464×10^4
- C 2.592×10^6
- D 2.678×10^6
- 3 A poultry farm produces 8472 eggs per day. In a particular week, 125 eggs became rotten. Given the price of an egg is RM0.15, find the total sales, in RM, of eggs sold in that week.
Sebuah ladang ternakan menghasilkan 8472 biji telur sehari. Pada suatu minggu tertentu, 125 biji telur rosak. Diberi harga bagi sebiji telur ialah RM0.15, cari jumlah jualan, dalam RM, telur yang dijual pada minggu itu.
- A 8.02×10^3
- B 8.45×10^3
- C 8.76×10^3
- D 8.88×10^3

- 4 The volume of a cylinder is $\frac{22}{7} \times (3 \cdot 5)^2 \times 19$.

Round off the answer correct to three significant figures.

Isi padu sebuah silinder ialah $\frac{22}{7} \times (3 \cdot 5)^2 \times 19$.

Bundarkan jawapan betul kepada tiga angka bererti.

- A 731
- B 731.0
- C 732
- D 732.0

- 5 State the value of the underlined digit, in base ten, of the number $1011\underline{0}1_2$.

Nyatakan nilai digit yang bergaris, dalam asas sepuluh, bagi nombor $1011\underline{0}1_2$.

- A 1
- B 2
- C 4
- D 8

- 6 Given $2^3 + 1 + k_2 = 110010_2$, find the value of k .

Diberi $2^3 + 1 + k_2 = 110010_2$, cari nilai k .

- A 101001
- B 101010
- C 101011
- D 101100

- 7 Diagram 1 shows an irregular polygon, $PQRSTUWXYZ$ formed by several triangular tiles with different sizes.

Rajah 1 menunjukkan sebuah poligon tak sekata, $PQRSTUWXYZ$ yang dibentuk daripada beberapa kepingan jubin berbentuk segi tiga yang berlainan saiz.

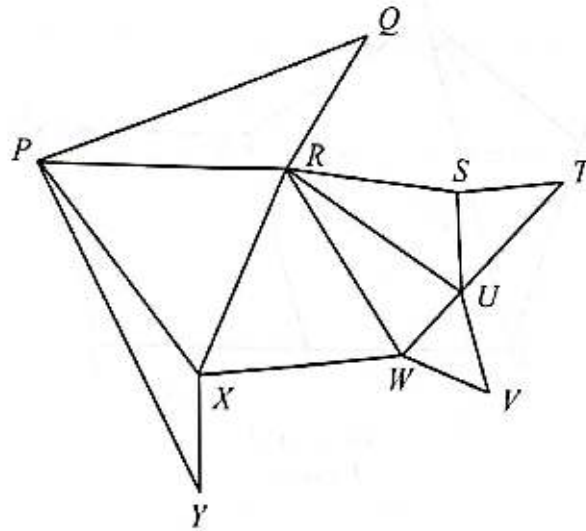


Diagram 1
Rajah 1

State the sum of the interior angles of the polygon.

Nyatakan jumlah sudut pedalaman poligon itu.

- A 720°
- B 900°
- C 1440°
- D 1800°

- 8 In Diagram 2, $PQRSV$ is a regular pentagon and $STUV$ is a rhombus. RST is a straight line.

Dalam Rajah 2, $PQRSV$ ialah sebuah pentagon sekata dan $STUV$ ialah sebuah rombus. RST ialah garis lurus.

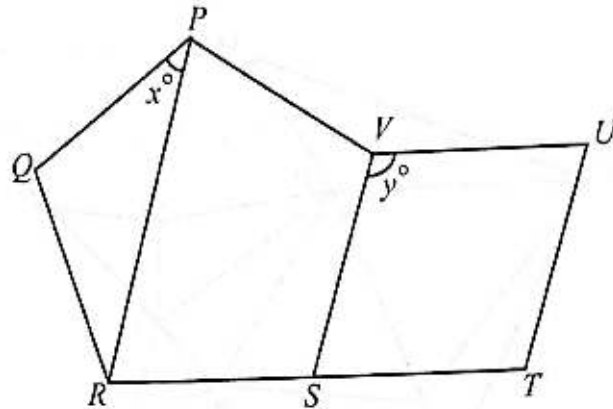


Diagram 2
Rajah 2

Find the value of $x + y$.

Cari nilai $x + y$.

- A 108
- B 144
- C 156
- D 180

- 9 In Diagram 3, UPV is a tangent to a circle at point P and the arc length of minor sector OQR is $\frac{1}{3}$ of the circumference of the circle PQR with centre O .

Dalam Rajah 3, UPV ialah tangen kepada bulatan di titik P dan panjang lengkok sektor minor OQR ialah $\frac{1}{3}$ daripada lilitan bulatan PQR dengan pusat O .

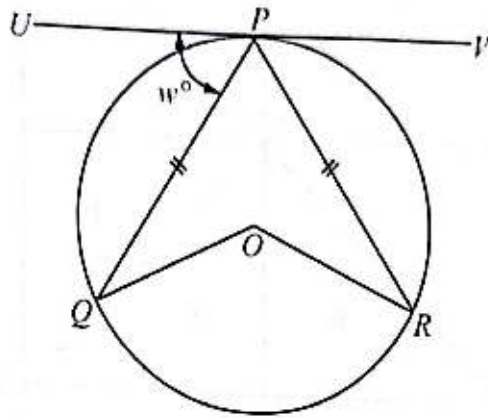


Diagram 3
Rajah 3

Find the value of w .

Cari nilai w .

- A 30
- B 60
- C 90
- D 120

10 Diagram 4 shows a square $PQRS$, divided into eight congruent triangles.

Rajah 4 menunjukkan sebuah segi empat sama $PQRS$, yang dibahagikan kepada lapan segi tiga yang kongruen.

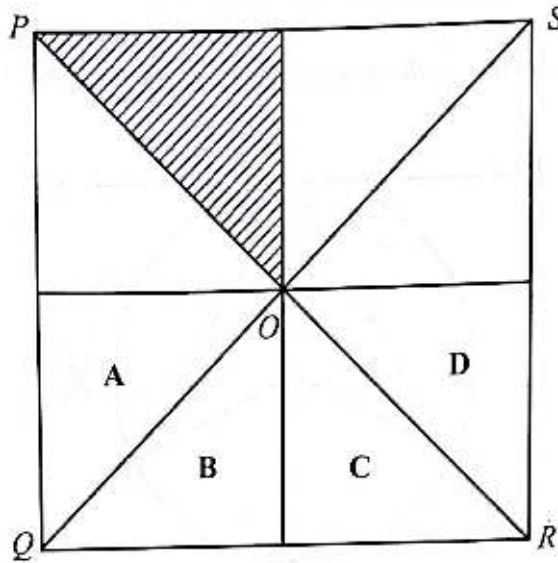


Diagram 4
Rajah 4

Which of the triangles A, B, C or D is the image of the shaded triangle under a rotation of 180° about centre O?

Antara segi tiga A, B, C dan D, yang manakah imej bagi segi tiga berlorek di bawah suatu putaran 180° pada pusat O?

- 11 Diagram 5 shows five hexagons A, B, C, D and X, drawn on a square grid.
Rajah 5 menunjukkan lima heksagon A, B, C, D dan X, dilukis pada grid segi empat sama.

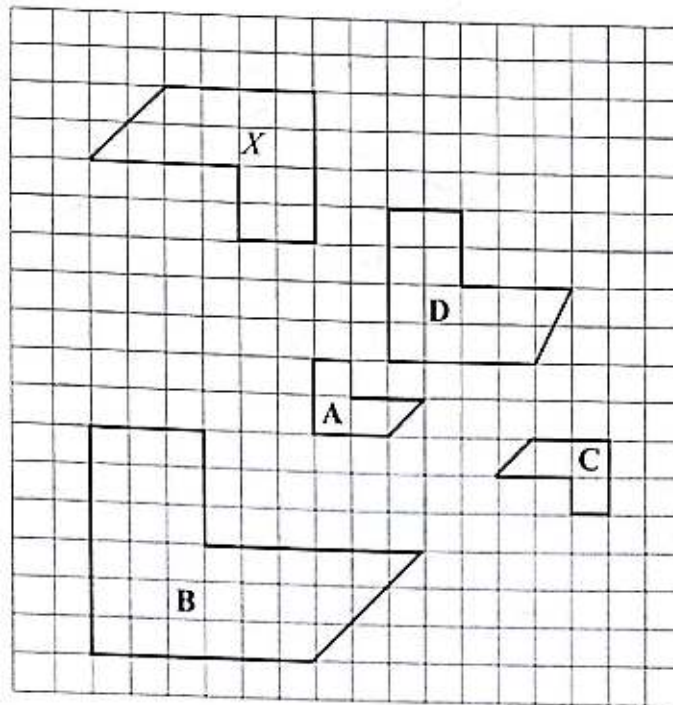


Diagram 5
 Rajah 5

Which of the hexagons A, B, C or D is not the image of hexagon X under a combined transformation?

Antara heksagon A, B, C dan D yang manakah bukan imej heksagon X di bawah suatu gabungan penjelmaan?

12 Diagram 6 shows a right angled triangle PQR . S is the midpoint of PR .

Rajah 6 menunjukkan segi tiga bersudut tegak PQR . S ialah titik tengah PR .

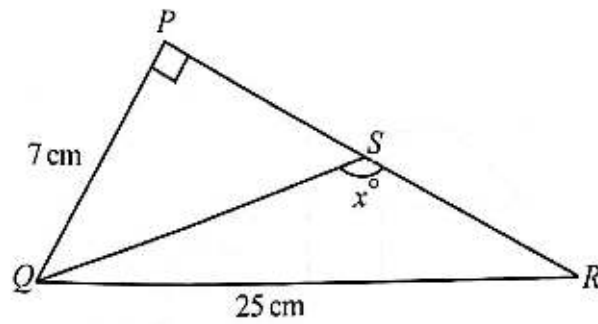


Diagram 6
Rajah 6

Find the value of $\cos x^\circ$.

Cari nilai $\cos x^\circ$.

A $\frac{12}{\sqrt{193}}$

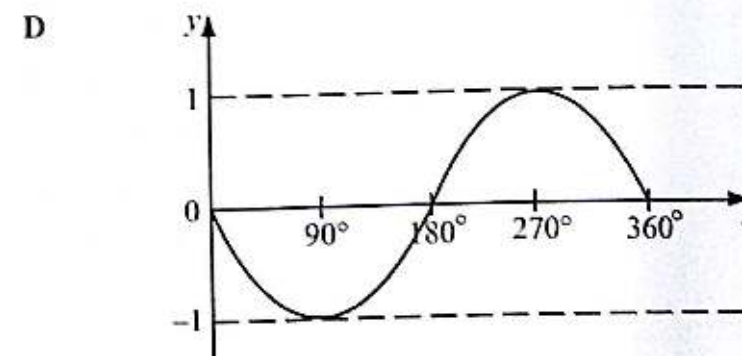
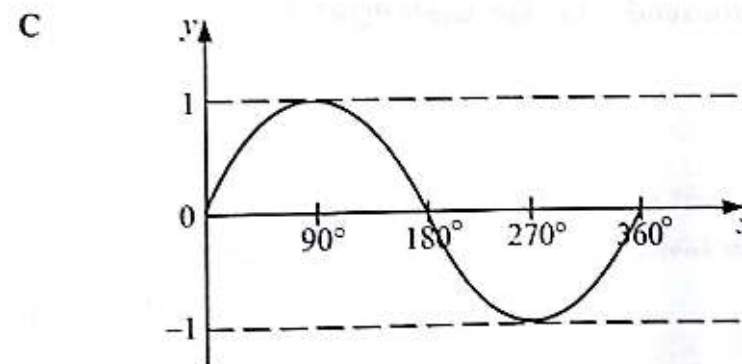
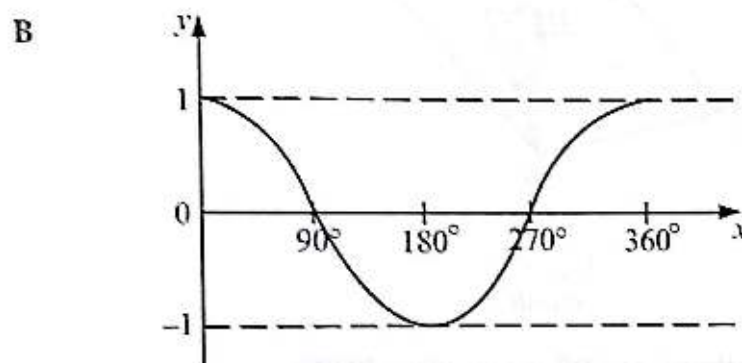
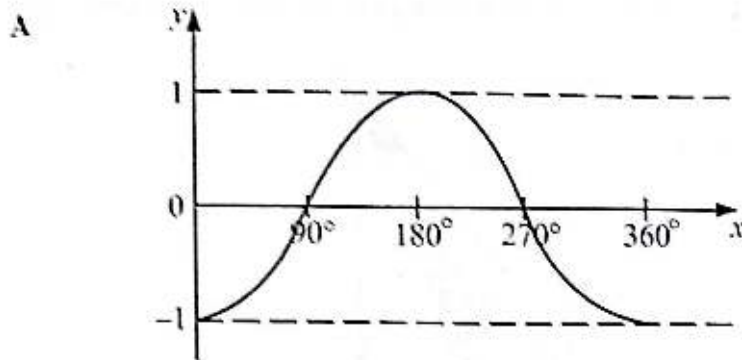
B $\frac{24}{25}$

C $-\frac{12}{\sqrt{193}}$

D $-\frac{12}{25}$

13 Which graph represents $y = \cos x^\circ$ for $0^\circ \leq x \leq 360^\circ$?

Graf manakah yang mewakili $y = \cos x^\circ$ bagi $0^\circ \leq x \leq 360^\circ$?



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- 14 Diagram 7 shows a pyramid with $PQRS$ as the horizontal base. Vertex V is vertically above S . H is the intersection point of the diagonals $PQRS$.

Rajah 7 menunjukkan sebuah piramid dengan $PQRS$ sebagai tapak mengufuk. Puncak V berada tegak di atas S . H ialah titik persilangan pepenjuru $PQRS$.

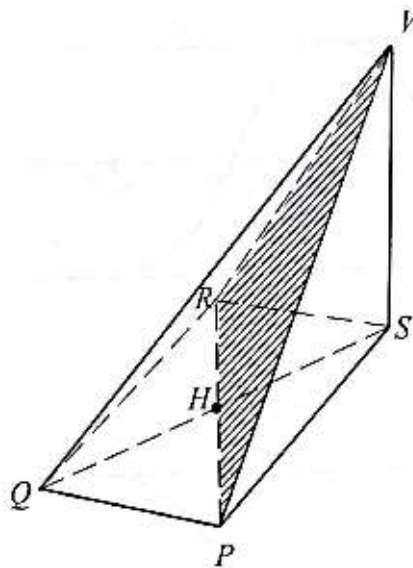


Diagram 7
Rajah 7

Name the angle between the plane VPR and the plane $PQRS$.

Namakan sudut di antara satah VPR dan satah $PQRS$.

- A $\angle SVH$
- B $\angle SVP$
- C $\angle VHS$
- D $\angle VPS$

- 15 Diagram 8 shows a helicopter with a passenger, P which is vertically above point Q . Points R , S , Q , T and U are aligned and lie on the horizontal ground. Rajah 8 menunjukkan sebuah helikopter dengan seorang penumpang, P yang berada tegak di atas titik Q . Titik-titik R , S , Q , T dan U adalah sebaris dan berada pada tanah mengufuk.

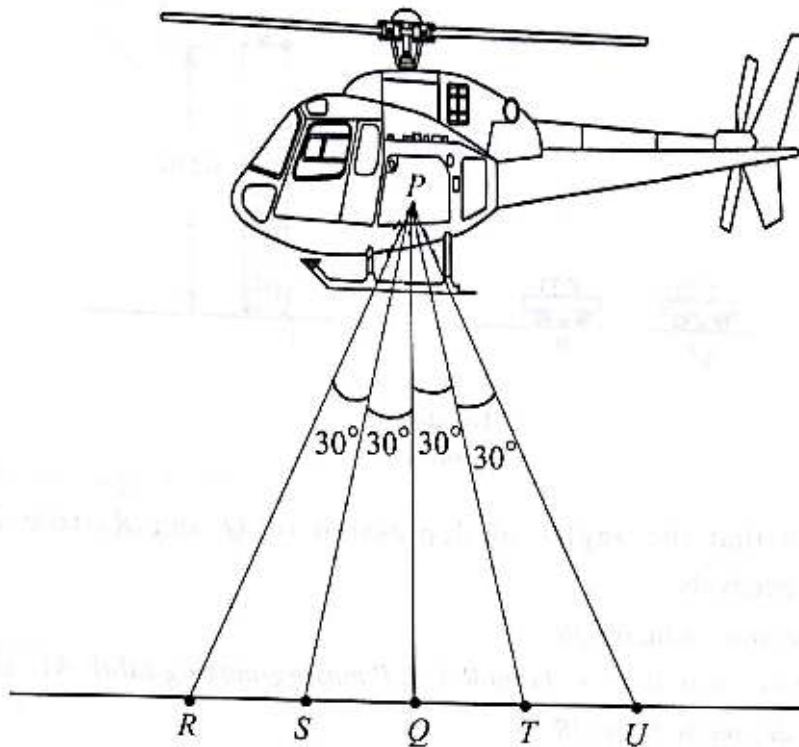


Diagram 8
Rajah 8

Which points show that the angle of depression from point P is 60° ?
Titik-titik manakah yang menunjukkan sudut tunduk dari titik P ialah 60° ?

- A S and T
 S dan T
- B R and U
 R dan U
- C R and T
 R dan T
- D S and U
 S dan U

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- 16 Diagram 9 shows an air traffic control tower, P and two vehicles, Q and R on the aeroplane runway. Points Q , R and T are aligned and lie on a horizontal plane. Point P is vertically above point T .

Rajah 9 menunjukkan menara kawalan trafik udara, P dan dua kenderaan, Q dan R pada satu landasan kapal terbang. Titik Q , titik R dan titik T adalah sebaris dan terletak di atas satah mengufuk. Titik P adalah tegak di atas titik T .

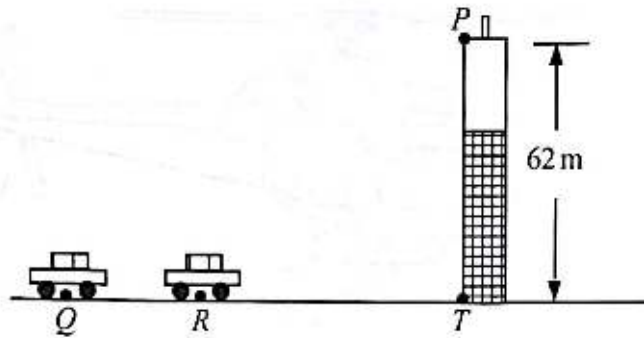


Diagram 9
Rajah 9

It is given that the angles of depression of Q and R from P are 41° and 56° respectively.

Find the distance, in m, of QR .

Diberi bahawa sudut tunduk Q dan R dari P masing-masing ialah 41° dan 56° .

Cari jarak, dalam m, bagi QR .

- A 16.6
- B 17.8
- C 29.5
- D 38.0

- 17 Diagram 10 shows points P , Q and R , on a horizontal plane. It is given that Q lies due west of R and the bearing of P from R is 240° .

Rajah 10 menunjukkan titik P , titik Q dan titik R , pada suatu satah mengufuk. Diberi bahawa Q berada ke barat R dan bearing P dari R ialah 240° .

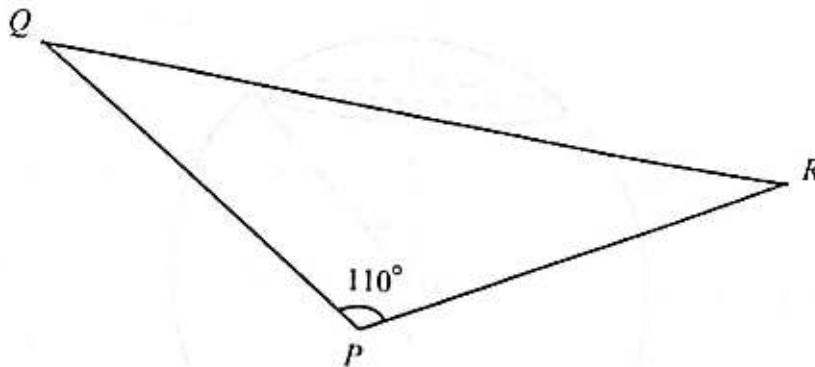


Diagram 10
Rajah 10

Find the bearing of Q from P .

Cari bearing Q dari P .

- A 130°
- B 140°
- C 310°
- D 320°

- 18 In Diagram 11, N is the North Pole, S is the South Pole and O is the centre of the Earth.

Dalam Rajah 11, U ialah Kutub Utara, S ialah Kutub Selatan dan O ialah pusat Bumi.

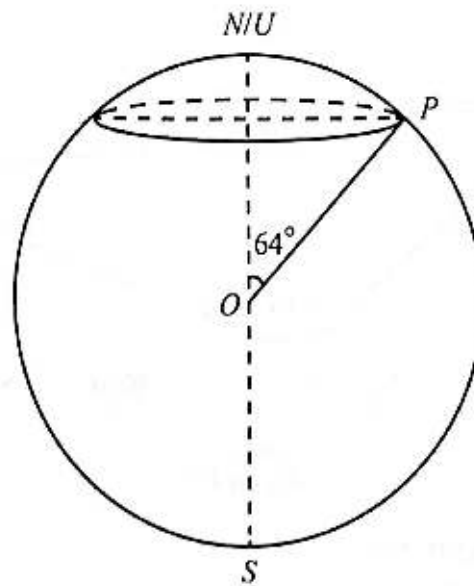


Diagram 11
Rajah 11

P is a point on the surface of the Earth.

State the latitude of P .

P ialah satu titik di atas permukaan Bumi.

Nyatakan latitud P .

- A $26^{\circ}E$
 $26^{\circ}T$
- B $26^{\circ}N$
 $26^{\circ}U$
- C $64^{\circ}E$
 $64^{\circ}T$
- D $64^{\circ}N$
 $64^{\circ}U$

19 $(2h - r)^2 + hr =$

- A $2h^2 + hr - r^2$
 B $2h^2 + 5hr + r^2$
 C $4h^2 + hr - r^2$
 D $4h^2 - 3hr + r^2$

20 Express $\frac{1}{2h} - \frac{h+6}{6h^2}$ as a single fraction in its simplest form.

Ungkapkan $\frac{1}{2h} - \frac{h+6}{6h^2}$ sebagai satu pecahan tunggal dalam bentuk termudah.

- A $\frac{h-3}{3h^2}$
 B $\frac{h+3}{3h^2}$
 C $\frac{7-h}{6h^2}$
 D $\frac{9-h}{6h^2}$

21 It is given that the distance from Umi's house to the school is represented by

$$d = 50 - \frac{6}{5}t.$$

Express t in terms of d .

Diberi bahawa jarak dari rumah Umi ke sekolah diwakili oleh $d = 50 - \frac{6}{5}t$.

Ungkapkan t dalam sebutan d .

- A $t = \frac{-5(50+d)}{6}$
 B $t = \frac{5(50-d)}{6}$
 C $t = \frac{6(50-d)}{5}$
 D $t = \frac{6(50+d)}{5}$

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22 Given $\frac{1}{2}(m - 6) = 3 + \frac{m}{5}$, find the value of m .

Diberi $\frac{1}{2}(m - 6) = 3 + \frac{m}{5}$, cari nilai m .

- A 11
- B 12
- C 20
- D 21

23 $16^{\frac{3}{4}} =$

- A $(\sqrt[3]{16})^4$
- B $(\sqrt[4]{16})^3$
- C $\frac{1}{(\sqrt[3]{16})^4}$
- D $\frac{1}{(\sqrt[4]{16})^3}$

24 Simplify:

Ringkaskan:

$$\left(\frac{3m}{n}\right)^3 \times \left(27^{\frac{1}{3}} m^2 n^{-3}\right)^{-2}$$




- A $\frac{3n^3}{m}$
- B $\frac{n^3}{3m}$
- C $\frac{3n^5}{m}$
- D $\frac{n^5}{3m}$

- 25 It is given that $m < x \leq n$ satisfies the inequalities $10 - 3x \geq 4$ and $2(x + 6) > 4$. Find the value of m and of n .

Diberi bahawa $m < x \leq n$ memuaskan ketaksamaan $10 - 3x \geq 4$ dan $2(x + 6) > 4$.

Cari nilai m dan nilai n .

- A $m = -4$, $n = 2$
 B $m = -3$, $n = 2$
 C $m = -4$, $n = 4$
 D $m = -3$, $n = 4$
- 26 Diagram 12 shows a pictogram of the sales of four brands of handphones. The number of brand P is not shown.
- Rajah 12 menunjukkan piktogram bagi jualan empat jenama telefon bimbit. Bilangan jenama P tidak ditunjukkan.

Brand P Jenama P	
Brand Q Jenama Q	
Brand R Jenama R	
Brand S Jenama S	



Represents 50 handphomes
Mewakili 50 telefon bimbit

Diagram 12
Rajah 12

The sales of brand Q represent 20% of the total sales.

Calculate the total sales of brand P and brand Q.

Jualan bagi jenama Q ialah 20% daripada jumlah jualan.

Hitung jumlah jualan bagi jenama P dan jenama Q.

- A 300
 B 500
 C 750
 D 1250

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- 27 Table 1 shows the distribution of prices for an Additional Mathematics book bought by students of form Four Merkuri.

Jadual 1 menunjukkan taburan harga buku Matematik Tambahan yang dibeli oleh murid tingkatan Empat Merkuri.

Price of book (RM) <i>Harga buku (RM)</i>	8.75	8.80	9.00	9.25	9.60
Number of students <i>Bilangan murid</i>	5	7	7	7	4

Table 1
Jadual 1

Calculate the mean price, in RM, of the book.

Hitung min harga, dalam RM, buku itu.

- A 9.00
- B 9.02
- C 9.05
- D 9.08

28 Diagram 13 shows the graph of function $y = -\frac{1}{3}x^n - 9$.

Rajah 13 menunjukkan graf untuk fungsi $y = -\frac{1}{3}x^n - 9$.

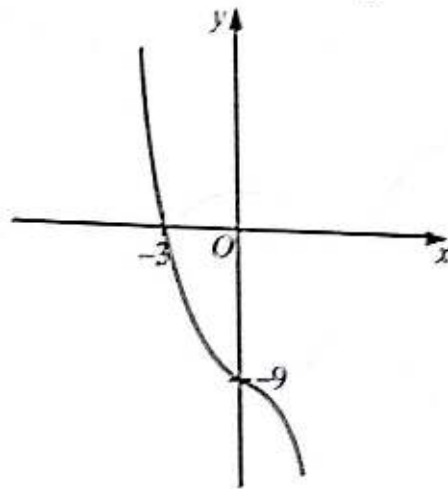


Diagram 13
Rajah 13

State the value of n .

Nyatakan nilai n .

- A -3
- B -1
- C 2
- D 3

29 It is given that the universal set, $\xi = \{x: 10 \leq x \leq 20, x \text{ is an integer}\}$ and $R = \{x: x \text{ is a prime number}\}$.

List all the elements of R .

Diberi bahawa set semesta, $\xi = \{x: 10 \leq x \leq 20, x \text{ ialah integer}\}$ dan $R = \{x: x \text{ ialah nombor perdana}\}$.

Senaraikan semua unsur bagi R .

- A {11, 13, 17}
- B {11, 13, 15, 17}
- C {11, 13, 17, 19}
- D {11, 13, 15, 17, 19}

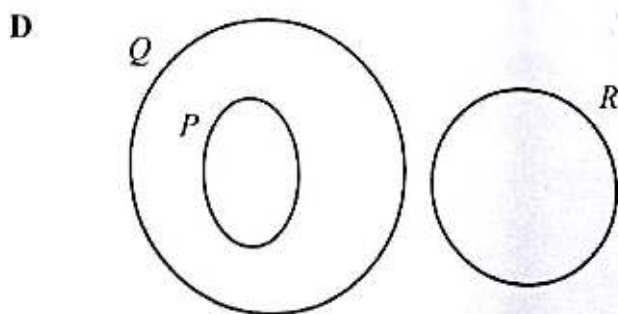
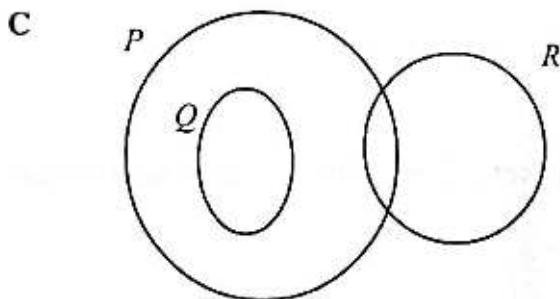
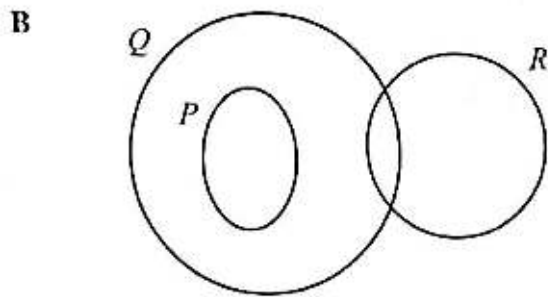
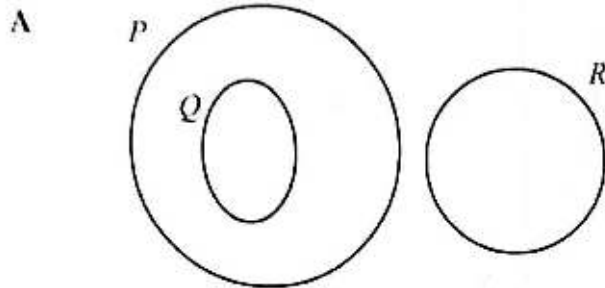
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30 It is given that the universal set, $\xi = P \cup Q \cup R$, $P \cup Q = P$, $P \cap R = \phi$.

Which Venn diagram represents these relationships?

Diberi bahawa set semesta, $\xi = P \cup Q \cup R$, $P \cup Q = P$, $P \cap R = \phi$.

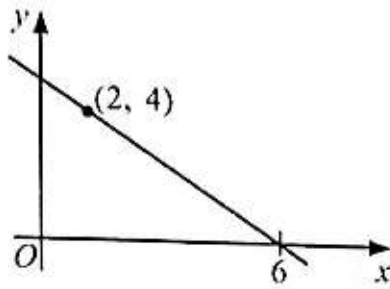
Gambar rajah Venn manakah mewakili hubungan ini?



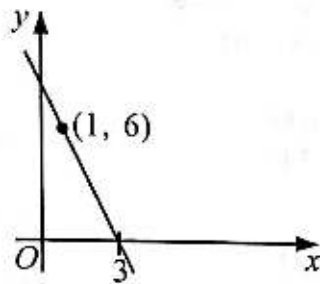
31 Which graph shows a straight line with a gradient of -3 ?

Graf manakah yang menunjukkan garis lurus dengan kecerunan -3 ?

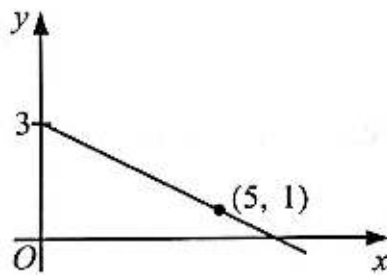
A



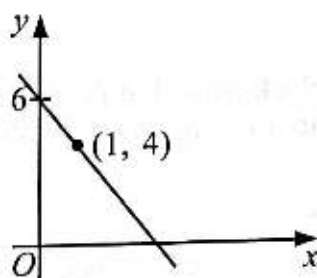
B



C



D



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- 32 Diagram 14 shows a straight line PQ drawn on a Cartesian plane. The gradient of the straight line is -4 .

Rajah 14 menunjukkan satu garis lurus PQ dilukis pada suatu satah Cartes. Kecerunan garis lurus itu ialah -4 .

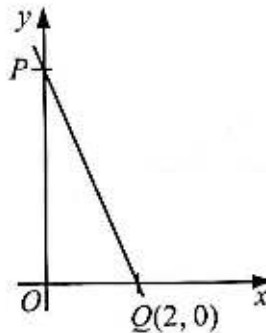


Diagram 14
Rajah 14

Find the y -intercept of the straight line PQ .

Cari pintasan- y bagi garis lurus PQ .

- A $\frac{1}{8}$
- B $\frac{1}{2}$
- C 2
- D 8
- 33 A box contains red pens, blue pens and black pens. Farah chooses a pen at random from the box. The probability of choosing a red pen is 0.20 and the probability of choosing a blue pen is 0.35 .

Find the probability of choosing a black pen.

Sebuah kotak mengandungi pen merah, pen biru dan pen hitam. Farah memilih sebatang pen secara rawak daripada kotak itu. Kebarangkalian memilih sebatang pen merah ialah 0.20 dan kebarangkalian memilih pen biru ialah 0.35 .

Cari kebarangkalian memilih sebatang pen hitam.

- A 0.15
- B 0.45
- C 0.55
- D 0.85

- 34 Table 2 shows the number of students who donate to flood victims. The number of students who donate RM5 is not shown.

Jadual 2 menunjukkan bilangan murid yang menderma kepada mangsa banjir. Bilangan murid yang menderma RM5 tidak ditunjukkan.

Donation (RM) <i>Derma (RM)</i>	Number of students <i>Bilangan murid</i>
5	
10	6
15	36

Table 2
Jadual 2

A student is chosen at random from the group. The probability of choosing a student who donates RM5 is $\frac{3}{10}$.

Find the total number of students who donate to the flood victims.

Seorang murid dipilih secara rawak daripada kumpulan itu. Kebarangkalian menderma RM5 ialah $\frac{3}{10}$.

Cari jumlah bilangan murid yang menderma kepada mangsa banjir.

- A 20
- B 60
- C 120
- D 140

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35 Diagram 15 shows numbered cards.

Rajah 15 menunjukkan kad-kad yang bernombor.

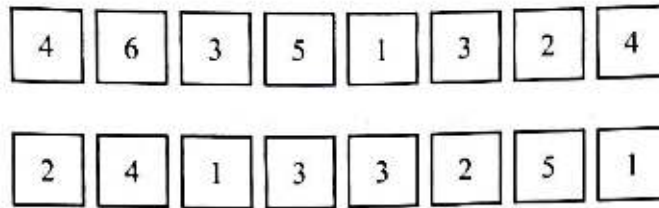


Diagram 15
Rajah 15

A card is chosen at random.

State the probability that the card chosen is **not** the card numbered 3.

Satu kad dipilih secara rawak.

*Nyatakan kebarangkalian bahawa kad yang dipilih itu ialah **bukan** kad bernombor 3.*

A $\frac{1}{3}$

B $\frac{2}{3}$

C $\frac{1}{4}$

D $\frac{3}{4}$

- 36 Table 3 shows the daily trips of five buses from Kuala Lumpur to Kuantan which arrive on time at the station in a week.

Jadual 3 menunjukkan perjalanan harian bagi lima buah bas dari Kuala Lumpur ke Kuantan dalam seminggu yang tiba di stesen dalam masa yang ditetapkan.

Day Hari	Number of buses arrive on time Bilangan bas tiba pada masa yang ditetapkan
Monday Isnin	4
Tuesday Selasa	5
Wednesday Rabu	3
Thursday Khamis	4
Friday Jumaat	5
Saturday Sabtu	4
Sunday Ahad	3

Table 3
Jadual 3

A trip is chosen at random.

Find the probability that the bus **did not** arrive on time at the station on that week.

Satu perjalanan dipilih secara rawak.

*Cari kebarangkalian bahawa bas **tidak** tiba di stesen dalam masa yang ditetapkan pada minggu tersebut.*

- A $\frac{1}{5}$
- B $\frac{1}{4}$
- C $\frac{5}{7}$
- D $\frac{4}{5}$

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- 37 It is given that p varies directly as the square of r and $p = 6$ when $r = 2$.

Calculate the value of r when $p = 96$.

Diberi bahawa p berubah secara langsung dengan kuasa dua r dan $p = 6$ apabila $r = 2$.

Hitung nilai r apabila $p = 96$.

A $\frac{1}{8}$

B $\frac{1}{2}$

C 8

D 12

- 38 It is given that w varies directly as y and inversely as cube root of z .

Find the relation between w , y and z .

Diberi bahawa w berubah secara langsung dengan y dan secara songsang dengan punca kuasa tiga z .

Cari hubungan antara w , y dan z .

A $w = kyz^{\frac{1}{3}}$

B $w = \frac{ky}{z^{\frac{1}{3}}}$

C $w = \frac{kz}{y^{\frac{1}{3}}}$

D $w = \frac{kz^{\frac{1}{3}}}{y}$

39 Which table represents the relation when y varies inversely as x ?

Jadual manakah yang mewakili hubungan y berubah secara songsang dengan x ?

A

x	$\frac{5}{2}$	$\frac{5}{4}$	$\frac{5}{8}$	$\frac{5}{16}$
y	4	8	16	32

B

x	$\frac{1}{8}$	$\frac{1}{16}$	$\frac{1}{32}$	$\frac{1}{64}$
y	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{16}$

C

x	2	3	4	5
y	4	6	8	10

D

x	3	1	$\frac{1}{2}$	$\frac{1}{4}$
y	2	6	12	18

40 $\begin{pmatrix} 2 & 3 \\ 5 & -2 \end{pmatrix} - 3\begin{pmatrix} -1 & 3 \\ 1 & 1 \end{pmatrix} + 2\begin{pmatrix} 2 & 6 \\ -2 & 3 \end{pmatrix} =$

A $\begin{pmatrix} 3 & 6 \\ -2 & 1 \end{pmatrix}$

B $\begin{pmatrix} 9 & 6 \\ -2 & 1 \end{pmatrix}$

C $\begin{pmatrix} 9 & 9 \\ -2 & 1 \end{pmatrix}$

D $\begin{pmatrix} 9 & 6 \\ -2 & 11 \end{pmatrix}$

END OF QUESTION PAPER
KERTAS PEPERIKSAAN TAMAT