

MODUL PERKEMBANGAN PEMBELAJARAN 3 (MPP 3)

TINGKATAN 5
MATEMATIK
Kertas 1
November 2021

1449/1

$1\frac{1}{2}$ jam

Satu jam tiga puluh minit

JANGAN BUKA KERTAS SOALAN INI SEHINGGA DIBERITAHU

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

Kertas soalan ini mengandungi 32 halaman bercetak

RUMUS MATEMATIK
MATHEMATICAL FORMULAE

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

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

NOMBOR DAN OPERASI
NUMBERS AND OPERATIONS

- | | |
|--|---|
| 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 $a^{\frac{m}{n}} = (a^{\frac{1}{n}})^m$ |
| 5 Faedah mudah / <i>Simple interest</i> , $I = Prt$ | |
| 6 Faedah kompaun / <i>Compound interest</i> , $MV = P\left(1 + \frac{r}{n}\right)^m$ | |
| 7 Jumlah bayaran balik / <i>Total repayment</i> , $A = P + Prt$ | |

PERKAITAN DAN ALGEBRA
RELATIONSHIP AND ALGEBRA

- | | |
|--|--|
| 1 Jarak/ <i>Distance</i> = $\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$ | |
| 2 Titik tengah/ <i>Midpoint</i> , $(x, y) = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}\right)$ | |
| 3 Laju purata = $\frac{\text{Jumlah jarak}}{\text{Jumlah masa}}$ | |
| | $\text{Average speed} = \frac{\text{Total distance}}{\text{Total time}}$ |
| 4 $m = \frac{y_2 - y_1}{x_2 - x_1}$ | |
| 5 $m = -\frac{\text{pintasan - } y}{\text{pintasan - } x}$ | |
| | $m = -\frac{y - \text{intercept}}{x - \text{intercept}}$ |
| 6 $A^{-1} = \frac{1}{ad - bc} \begin{pmatrix} d & -b \\ -c & a \end{pmatrix}$ | |

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SUKATAN DAN GEOMETRI
MEASUREMENT AND GEOMETRY

- 1 Teorem Pythagoras / *Pythagoras Theorem*, $c^2 = a^2 + b^2$
- 2 Hasil tambah sudut pedalaman poligon / *Sum of interior angles of a polygon*
 $= (n - 2) \times 180^\circ$
- 3 Lilitan bulatan = $\pi d = 2\pi j$
Circumference of circle = $\pi d = 2\pi r$
- 4 Luas bulatan = πj^2
Area of circle = πr^2
- 5
$$\frac{\text{Panjang lengkok}}{2\pi j} = \frac{\theta}{360^\circ}$$

$$\frac{\text{Arc length}}{2\pi r} = \frac{\theta}{360^\circ}$$
- 6
$$\frac{\text{luas sektor}}{\pi j^2} = \frac{\theta}{360^\circ}$$

$$\frac{\text{Area of sector}}{\pi r^2} = \frac{\theta}{360^\circ}$$
- 7 Luas layang = $\frac{1}{2} \times$ hasil darab panjang dua pepenjuru
Area of kite = $\frac{1}{2} \times$ *product of two diagonals*
- 8 Luas trapezium = $\frac{1}{2} \times$ hasil tambah dua sisi selari \times tinggi
Area of trapezium = $\frac{1}{2} \times$ *sum of two parallel sides* \times *height*
- 9 Luas permukaan silinder = $2\pi j^2 + 2\pi jt$
Surface area of cylinder = $2\pi r^2 + 2\pi rh$
- 10 Luas permukaan kon = $\pi j^2 + \pi js$
Surface area of cone = $\pi r^2 + \pi rs$
- 11 Luas permukaan sfera = $4\pi j^2$
Surface area of sphere = $4\pi r^2$
- 12 Isi padu prisma = luas keratan rentas \times tinggi
Volume of prism = *area of cross section* \times *height*
- 13 Isi padu silinder = $\pi j^2 t$
Volume of cylinder = $\pi r^2 h$

- 14 Isi padu kon = $\frac{1}{3}\pi j^2 t$
Volume of cone = $\frac{1}{3}\pi r^2 h$
- 15 Isi padu sfera = $\frac{4}{3}\pi j^3$
Volume of sphere = $\frac{4}{3}\pi r^3$
- 16 Isi padu piramid = $\frac{1}{3} \times \text{luas tapak} \times \text{tinggi}$
Volume of pyramid = $\frac{1}{3} \times \text{base area} \times \text{height}$
- 17 Faktor skala, $k = \frac{PA'}{PA}$
Scale factor, k = $\frac{PA'}{PA}$
- 18 Luas imej = $k^2 \times \text{luas objek}$
Area of image = $k^2 \times \text{area of object}$

STATISTIK DAN KEBARANGKALIAN
STATISTICS AND PROBABILITY

- 1 Min / Mean, $\bar{x} = \frac{\sum x}{N}$
- 2 Min / Mean, $\bar{x} = \frac{\sum fx}{\sum f}$
- 3 Varians / Variance, $\sigma^2 = \frac{\sum (x - \bar{x})^2}{N} = \frac{\sum x^2}{N} - \bar{x}^2$
- 4 Varians / Variance, $\sigma^2 = \frac{\sum f(x - \bar{x})^2}{\sum f} = \frac{\sum fx^2}{\sum f} - \bar{x}^2$
- 5 Sisihan piawai / Standard deviation, $\sigma = \sqrt{\frac{\sum (x - \bar{x})^2}{N}} = \sqrt{\frac{\sum x^2}{N} - \bar{x}^2}$
- 6 Sisihan piawai / Standard deviation, $\sigma = \sqrt{\frac{\sum f(x - \bar{x})^2}{\sum f}} = \sqrt{\frac{\sum fx^2}{\sum f} - \bar{x}^2}$
- 7 $P(A) = \frac{n(A)}{n(S)}$
- 8 $P(A') = 1 - P(A)$

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

- 1 Suatu nombor P , apabila dibundarkan kepada tiga angka bererti menjadi 13 000.

Nilai yang mungkin bagi P ialah

A number P , when rounded to three significant figures is 13 000.

The possible value of P is

- A 12 847
- B 12 954
- C 13 050
- D 13 100

- 2 Bundarkan 0.0093456 kepada tiga angka bererti dan kemudian ditolak dengan 0.000814.

Round off 0.0093456 to three significant figures and subtract to 0.000814.

- A 8.516×10^{-2}
- B 8.536×10^{-2}
- C 8.529×10^{-3}
- D 8.536×10^{-3}

- 3 Zuhdi mempunyai 168 kg pasir. Dia menggunakan 60% daripada pasir itu untuk membuat dinding. Baki pasir itu dibahagikan sama banyak ke dalam 3 beg. Cari jisim, dalam g, pasir di dalam setiap beg itu.

Zuhdi has 168 kg of sand. He used 60% of the sand to make a wall. The remaining sand is divided equally into 3 bags. Find the mass, in g, of the sand in each bag.

- A 2.24×10^{-4}
- B 2.24×10^4
- C 3.36×10^{-4}
- D 3.36×10^4

4 $100111_2 - 1011_2 =$

A 1110_2

B 10100_2

C 11100_2

D 11110_2

5 Antara berikut yang manakah **benar** ?

Which of the following is true ?

A $26 = 121_5$

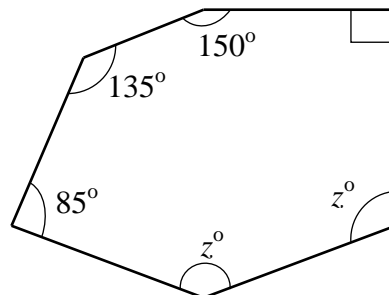
B $53_6 = 210_4$

C $321_9 = 10012_4$

D $10101_2 = 23_8$

6 Rajah 1 menunjukkan sebuah heksagon.

Diagram 1 shows a hexagon.



Rajah 1
Diagram 1

Cari nilai z .

Find the value of z .

A 130

B 220

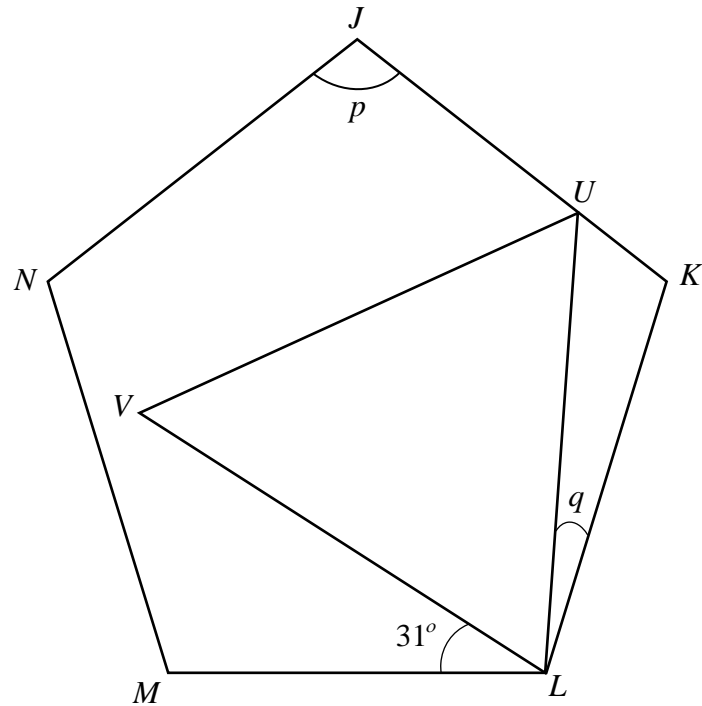
C 260

D 720

- 7 Rajah 2 menunjukkan sebuah pentagon sekata $JKLMN$ dan sebuah segi tiga sama sisi LUV . Diberi JUK ialah garis lurus.

Diagram 2 shows a regular pentagon $JKLMN$ and an equilateral triangle LUV .

Given JUK is a straight line.



Rajah 2
Diagram 2

Cari nilai $p + q$.

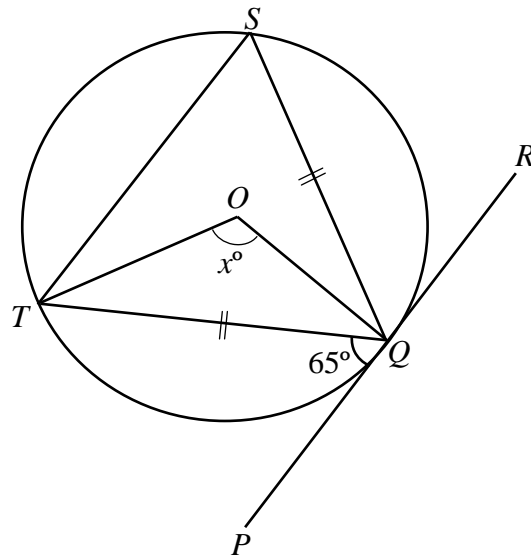
Find the value of $p + q$.

- A 115°
- B 125°
- C 139°
- D 168°

- 8 Rajah 3 menunjukkan bulatan berpusat di O . PQR ialah tangen kepada bulatan. Diberi bahawa $QS = QT$ dan $\angle PQT = 65^\circ$. Hitung nilai x .

Diagram 3 shows a circle centered at O . PQR is a tangent to the circle.

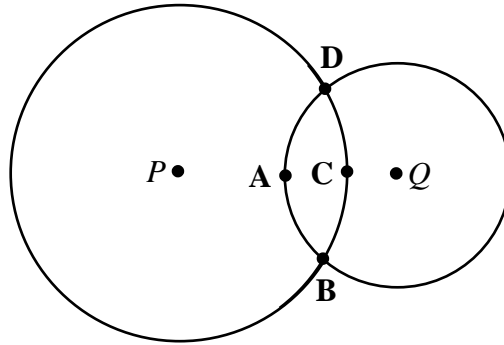
Given that $QS = QT$ and $\angle PQT = 65^\circ$. Calculate the value of x .



Rajah 3
Diagram 3

- A 50°
- B 65°
- C 115°
- D 130°

- 9 Rajah 4 menunjukkan dua bulatan berpusat di P dan Q .
Diagram 4 shows two circles centered at P and Q .



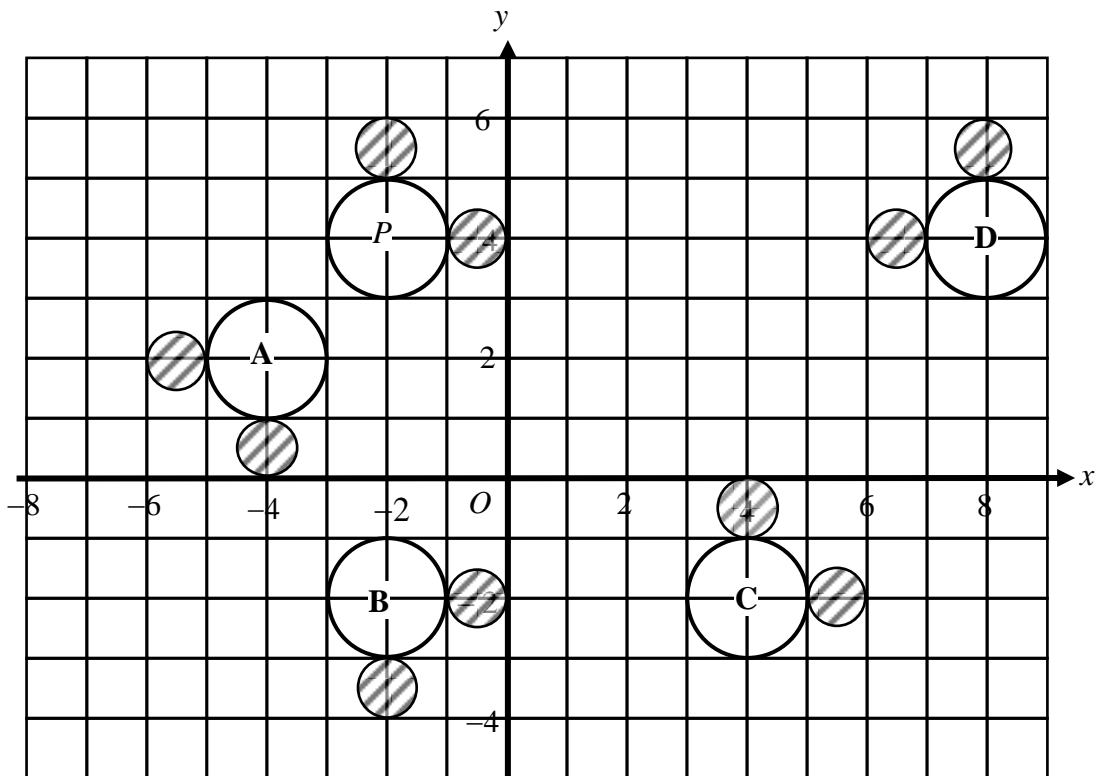
Rajah 4
 Diagram 4

Bulatan pusat P mempunyai jejari 4 cm sementara bulatan dengan pusat Q mempunyai jejari 2 cm. Di antara titik **A**, **B**, **C** dan **D**, yang manakah jaraknya 4 cm dari P dan kurang dari 2 cm dari Q .

*The circle with center P has a radius of 4 cm while the circle with center Q has a radius of 2 cm. Between points **A**, **B**, **C** and **D**, which is 4 cm from P and less than 2 cm from Q .*

- 10 Rajah 5 menunjukkan lima corak *Mickey Mouse* *P*, *A*, *B*, *C* dan *D* yang dilukis oleh Alisya pada satah Cartes di atas satu kertas.

Diagram 5 shows five Mickey Mouse patterns P, A, B, C and D drawn by Alisya on Cartesian plane on a plain paper.



Rajah 5

Diagram 5

Antara corak *A*, *B*, *C* dan *D*, yang manakah imej bagi *P* dibawah satu pantulan pada garis lurus $y = x$.

Among the patterns A, B, C and D, which is the image of P under a reflection in the straight line $y = x$.

- 11** Sebuah beg mengandungi x batang pen hitam, 14 batang pen merah dan y batang pen biru. Jumlah keseluruhan pen ialah 30. Sebatang pen dipilih secara rawak daripada beg itu. Kebarangkalian memilih sebatang pen hitam ialah $\frac{1}{3}$ dan pen biru ialah $\frac{1}{5}$. Cari nilai x dan nilai y .

A bag contains x black pen, 14 red pen, and y blue pen. The total number of all pen are 30. A pen is chosen random from the bag. The probability of choosing a black pen is $\frac{1}{3}$ and a blue pen is $\frac{1}{5}$. Find the value of x and y .

- A** $x = 6, y = 10$
B $x = 5, y = 3$
C $x = 10, y = 6$
D $x = 3, y = 5$

- 12** Sebuah kotak mengandungi 35 helai tuala kuning dan beberapa helai tuala merah. Sehelai tuala dipilih secara rawak daripada kotak itu. Kebarangkalian sehelai tuala merah dipilih ialah $\frac{2}{7}$. Cari bilangan tuala merah dalam kotak itu.

A box contains 35 yellow towels and some red towels. A towel is chosen at random from the box. Probability of choosing a red towel is $\frac{2}{7}$. Find the number of red towels in the box.

- A** 10
B 12
C 14
D 16

13 $(3p-2)^2 - (p-1)(2p-4) =$

A $7p^2 - 6p$

B $4p^2 - 6p$

C $7p^2 - 18p + 8$

D $4p^2 - 5p + 6$

14 Diberi bahawa $\frac{2n}{\sqrt{m-1}} = \frac{3}{n}$, ungkapkan m dalam sebutan n .

Given that $\frac{2n}{\sqrt{m-1}} = \frac{3}{n}$, express m in terms of n .

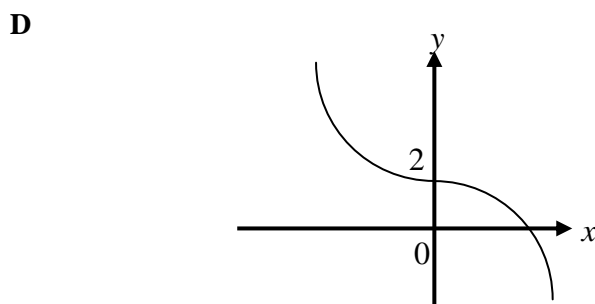
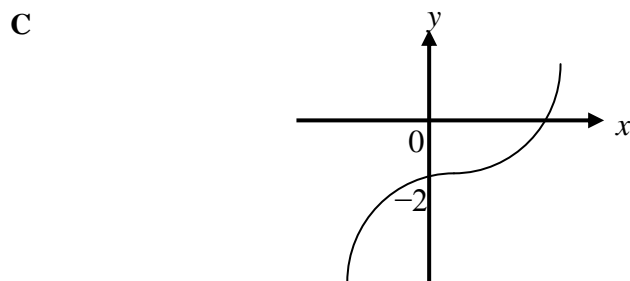
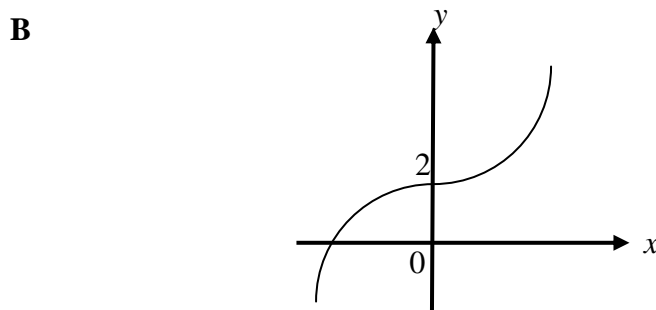
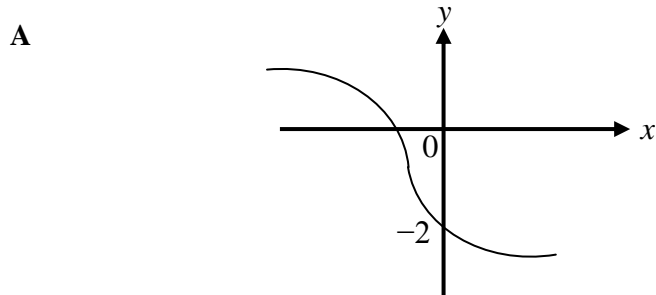
A $m = \frac{2}{3}n^2 + 1$

B $m = \frac{(2n^2 + 1)^2}{9}$

C $m = \frac{(2n^2 + 3)^2}{9}$

D $m = \left(\frac{2n^2 + 3}{9}\right)^2$

- 15 Antara yang berikut, yang manakah adalah graf bagi $y = 2 - x^3$.
Which of the following is the graph of $y = 2 - x^3$.



- 16 Rajah 6 menunjukkan bilangan buku yang dijual oleh sekumpulan jurujual di kedai buku JAYA.

Diagram 6 shows the number of books sold by a group of salesman at JAYA book store.

29, 21, 18, 30, 13, 25, 24

Rajah 6
Diagram 6

Hitung nilai sisihan piawai bagi data itu.

Calculate the standard deviation of the data.

- A 4.147
B 5.508
C 5.592
D 6.325
- 17 Jadual 1 menunjukkan saiz baju yang dibeli oleh murid kelas 4UIA.
Table 1 shows the size of the shirts purchased by 4UIA class students.

Saiz/size	XS	S	M	L	XL	XXL
Bilangan murid / Numbers of student	3	5	3	6	2	1

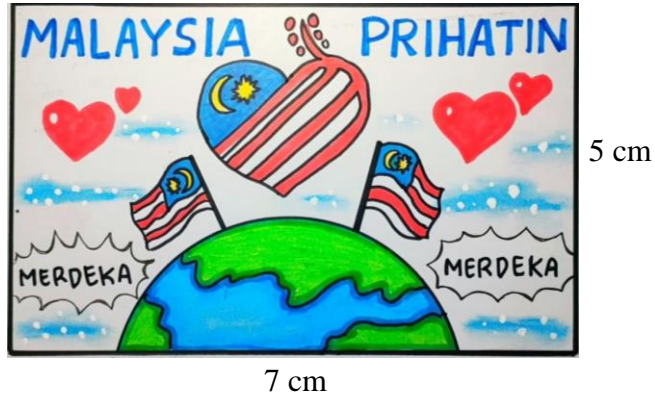
Jadual
Table 1

Cari median bagi saiz baju tersebut.

Find the median of the shirt size.

- A S
B M
C XL
D XXL

- 18 Rajah 7 menunjukkan sebuah lukisan berskala yang berbentuk segi empat tepat.
 Diagram 7 shows a rectangular scale drawing.



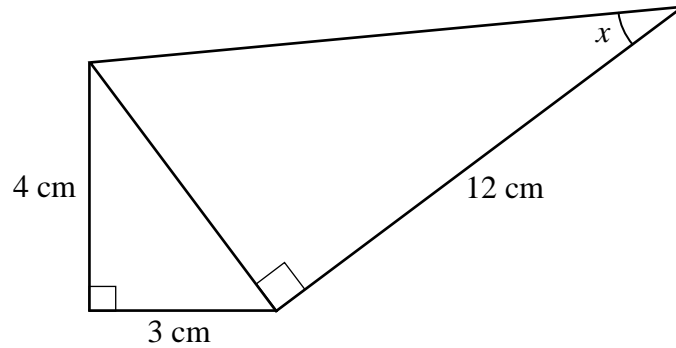
Rajah 7
 Diagram 7

Jika skala yang digunakan adalah 1 : 5, hitung luas sebenar lukisan itu.
 If the scale used is 1 : 5, calculate the actual area of the drawing.

- A 35 cm^2
 B 120 cm^2
 C 175 cm^2
 D 875 cm^2

- 19 Rajah 8 menunjukkan dua buah segi tiga bersudut tegak.

Diagram 8 shows two right-angled triangles.



Rajah 8
Diagram 8

Cari nilai bagi kos x .

Find the value of $\cos x$.

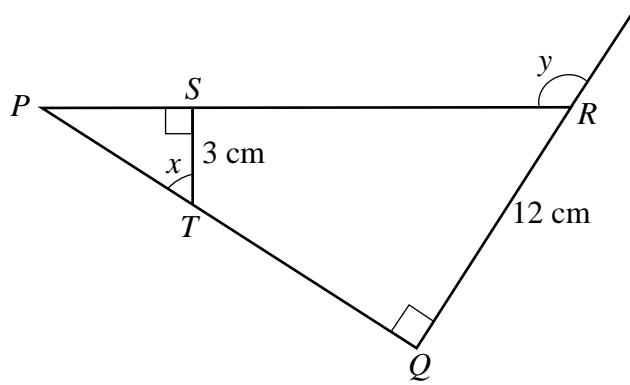
A $\frac{5}{12}$

B $\frac{13}{12}$

C $\frac{5}{13}$

D $\frac{12}{13}$

- 20 Dalam Rajah 9, segitiga PQR dan PST adalah serupa.
In Diagram 9, triangles PQR and PST are similar.



Rajah 9
 Diagram 9

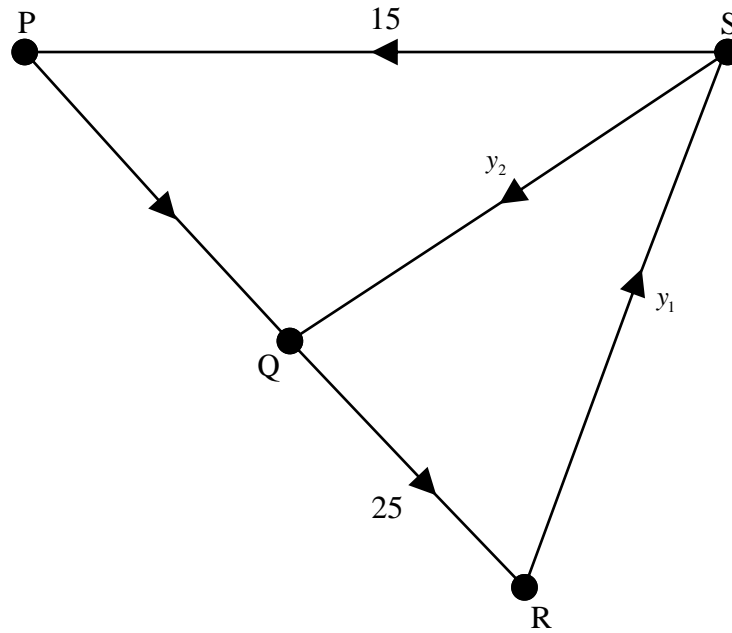
Diberi $\cos x = \frac{3}{5}$, hitung nilai $\tan y$.

Given that $\cos x = \frac{3}{5}$, calculate the value of $\tan y$.

- A $-\frac{2}{3}$
- B $-\frac{4}{3}$
- C $\frac{2}{3}$
- D $\frac{4}{3}$

21 Rajah 10 menunjukkan sebuah graf terarah dan berpemberat.

Diagram 10 shows a directed and weighted graph.



Rajah 10
Diagram 10

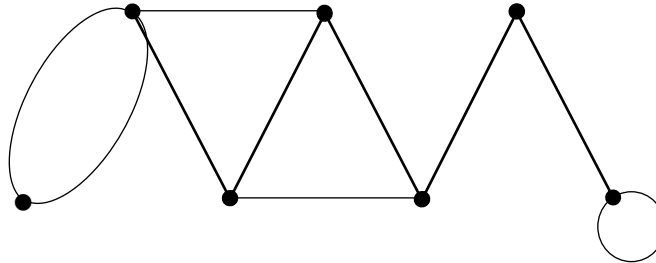
Tentukan nilai bagi y_2

Determine the value of y_2 .

- A 10
- B 15
- C 25
- D 30

22 Nyatakan bilangan bucu, tepi dan darjah bagi graf mudah di bawah.

State the number of vertices, edges and degrees of the simple graph below.



A Bucu = 7, Tepi = 8 dan Darjah = 16

Vertices = 7, Edges = 8 dan Degrees = 16

B Bucu = 7, Tepi = 9 dan Darjah = 18

Vertices = 7, Edges = 9 dan Degrees = 18

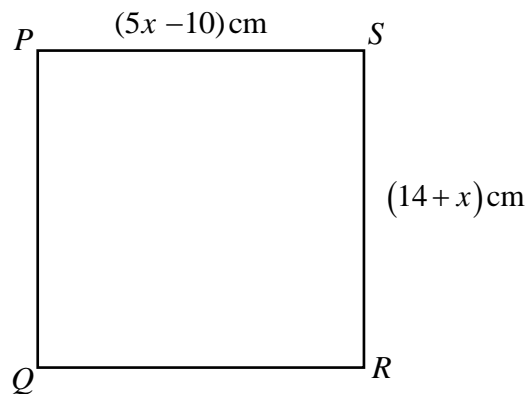
C Bucu = 7, Tepi = 10 dan Darjah = 20

Vertices = 7, Edges = 10 dan Degrees = 20

D Bucu = 7, Tepi = 11 dan Darjah = 22

Vertices = 7, Edges = 11 dan Degrees = 22

- 23 Rajah 11 menunjukkan panjang sisi segi empat sama $PQRS$.
Diagram 11 shows the length of sides $PQRS$ square.



Rajah 11
Diagram 11

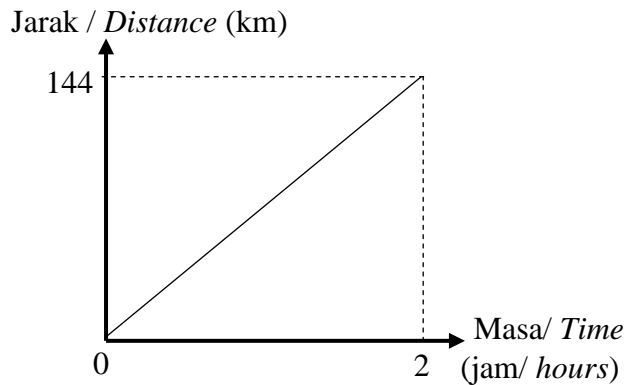
Cari nilai x

Find the value of x .

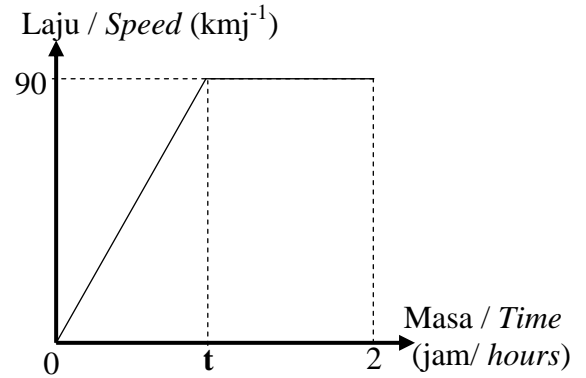
- A 1
- B 4
- C 6
- D 12

- 24 Rajah 12(a) menunjukkan graf jarak-masa bagi perjalanan pergi Masyitah dari Kuala Terengganu ke Kemaman dengan menaiki kereta dalam tempoh 2 jam. Rajah 12(b) menunjukkan graf laju-masa bagi perjalanan balik beliau melalui jalan yang sama.

Diagram 12(a) shows the distance-time graph for the journey of Masyitah from Kuala Terengganu to Kemaman by car in 2 hours. Diagram 12(b) shows the speed-time graph for her return journey through the same path.



Rajah 12(a)
Diagram 12(a)



Rajah 12(b)
Diagram 12(b)

Hitung nilai t .

Calculate value of t .

- A 0.8
B 0.7
C 0.6
D 0.5
- 25 Senaraikan semua integer x yang memuaskan kedua-dua ketaksamaan $-2x \leq 8$ dan $2x \leq x+5$

List all the integers x that satisfy the inequalities $-2x \leq 8$ and $2x \leq x+5$

- A $-3, -2, -1, 0, 1, 2, 3, 4$
B $-3, -2, -1, 0, 1, 2, 3, 4, 5$
C $-4, -3, -2, -1, 0, 1, 2, 3, 4, 5$
D $-4, -3, -2, -1, 0, 1, 2, 3, 4,$

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SULIT

- 26 Diberi bahawa $\frac{1}{p^q} = 3^{-2}$, cari nilai p dan nilai q .

Given that $\frac{1}{p^q} = 3^{-2}$, find the value of p and of q .

- A $p = 3, q = -2$
 B $p = 3, q = 2$
 C $p = 2, q = -3$
 D $p = 2, q = 3$

- 27 Ringkaskan

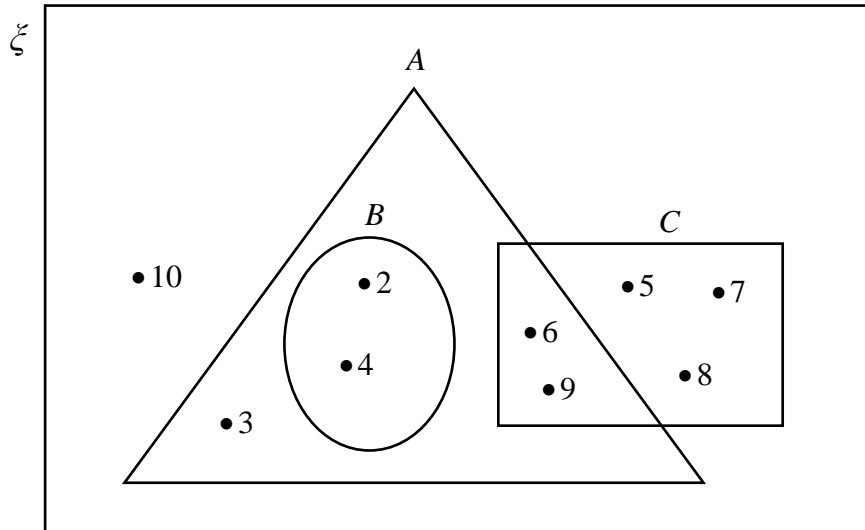
Simplify

$$\frac{(\sqrt{mn})^4 \times (m^{-2}n^3)^2}{(m^4n^{-2})^{\frac{1}{2}}}$$

- A $\frac{n^9}{m^4}$
 B $\frac{m^5}{n^6}$
 C m^6n^5
 D m^4n^{-7}

- 28 Rajah 13 menunjukkan gambar rajah Venn dengan set semesta, ξ , set A, set B dan set C.

Diagram 13 shows a Venn diagram with the universal set, ξ , set A, set B and set C.



Rajah 13
Diagram 13

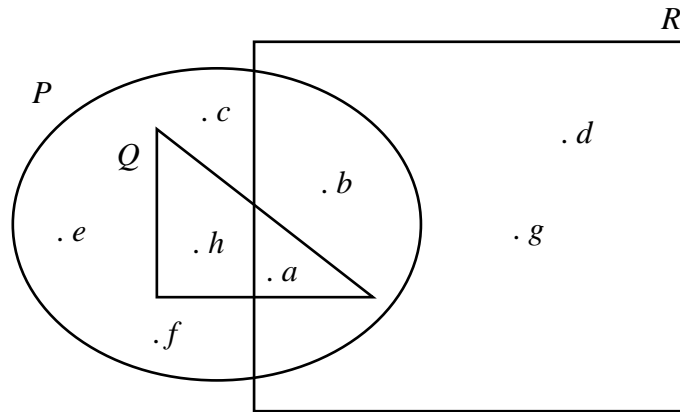
Cari $n(A')$.

Find $n(A')$.

- A** 3
B 4
C 5
D 6

- 29 Rajah 14 ialah gambar rajah Venn yang menunjukkan unsur-unsur bagi set P , set Q dan set R .

Diagram 14 is a Venn Diagram that shows elements of set P , set Q and set R .



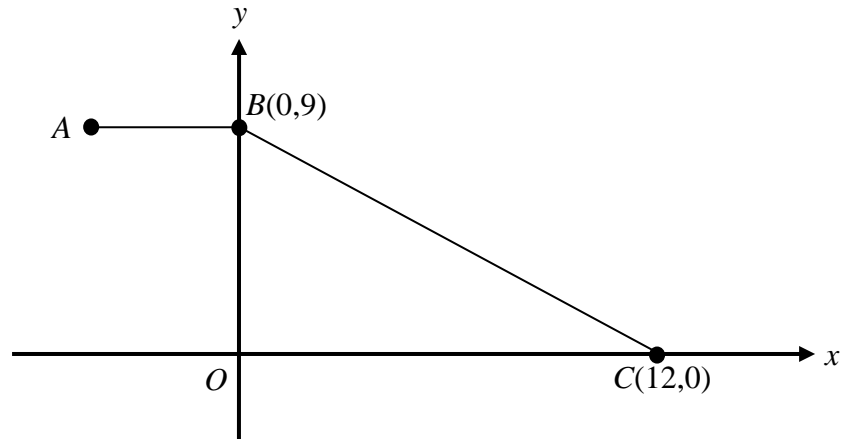
Rajah 14
Diagram 14

Diberi bahawa set $\xi = P \cup Q \cup R$. Unsur-unsur bagi set $(Q \cup R)'$ ialah

Given that set $\xi = P \cup Q \cup R$. Elements of set $(Q \cup R)'$ are

- A d, g
- B c, e, f
- C b, c, e, f
- D a, b, d, g, h

- 30 Rajah 15 menunjukkan garis lurus AB dan BC pada suatu satah Cartes.
Diagram 15 shows a straight line AB and BC on a Cartesian plane.



Rajah 15
 Diagram 15

Diberi $AB = \frac{1}{3} BC$, cari koordinat titik A.

Given $AB = \frac{1}{3} BC$, find the coordinates of the point A.

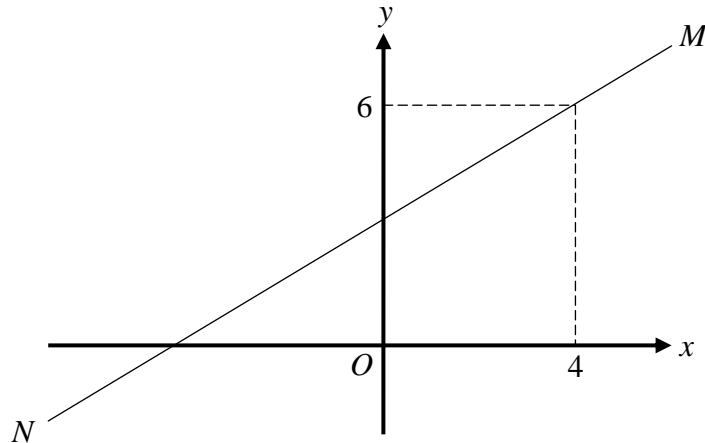
- A (−9, 5)
- B (−5, 9)
- C (5, 9)
- D (9, 5)

- 31 Garis lurus PQ mempunyai kecerunan $-\frac{1}{3}$. Diberi $Q(3,5)$, cari pintasan-y bagi garis lurus PQ .

The straight line PQ has gradient $-\frac{1}{3}$. Given $Q(3,5)$, find the y -intercept of line PQ .

- A $\frac{1}{4}$
 B $\frac{1}{6}$
 C 4
 D 6

- 32 Dalam Rajah 17, MN ialah suatu garis lurus yang dilukis pada suatu satah Cartes.
In Diagram 17, MN is a straight line drawn on a Cartesian plane.



Rajah 17
 Diagram 17

Diberi kecerunan MN ialah $\frac{3}{4}$, cari pintasan-x bagi MN .

Given the gradient of MN is $\frac{3}{4}$, find the x -intercept of MN .

- A 3
 B -3
 C 4
 D -4

- 33 P berubah secara songsang dengan punca kuasa dua M . Diberi k ialah pemalar, cari hubungan antara P dan M .

P varies inversely as the square root of M . Given that the constant is k , find the relation between P and M .

A $P = kM^{\frac{1}{2}}$

B $P = \frac{k}{M^{\frac{1}{2}}}$

C $P = kM^2$

D $P = \frac{k}{M^2}$

- 34 Jadual 4 menunjukkan beberapa nilai pembolehubah p dan q .

Table 4 shows some values of the variables p and q

p	2	t
q	$\frac{1}{3}$	$\frac{16}{3}$

Jadual 4

Table 4

Diberi bahawa q berubah secara songsang dengan kuasa dua p . Cari nilai t .

It is given that q varies inversely as the square of p . Calculate the value of t .

A 6

B 2

C $\frac{2}{3}$

D $\frac{1}{2}$

35 Diberi $\begin{pmatrix} 3 & -1 \\ 1 & -2 \end{pmatrix} - 2 \begin{pmatrix} 1 & -4 \\ 0 & r \end{pmatrix} = \begin{pmatrix} 1 & 7 \\ 1 & 8 \end{pmatrix}$. Cari nilai bagi r .

Given $\begin{pmatrix} 3 & -1 \\ 1 & -2 \end{pmatrix} - 2 \begin{pmatrix} 1 & -4 \\ 0 & r \end{pmatrix} = \begin{pmatrix} 1 & 7 \\ 1 & 8 \end{pmatrix}$. Find the value of r .

A -5

B -4

C 2

D 3

36 Diberi $A = \begin{bmatrix} 1 & 2 \\ 2x & 3 \end{bmatrix}$ $B = \begin{bmatrix} -1 \\ 2 \end{bmatrix}$ dan $AB = \begin{bmatrix} 3 \\ 10 \end{bmatrix}$. Tentukan nilai x .

Given $A = \begin{bmatrix} 1 & 2 \\ 2x & 3 \end{bmatrix}$ $B = \begin{bmatrix} -1 \\ 2 \end{bmatrix}$ and $AB = \begin{bmatrix} 3 \\ 10 \end{bmatrix}$. Determine the value of x .

A -2

B 1

C 2

D 4

- 37 Jadual 5 menunjukkan masa yang diambil untuk mencapai matlamat kewangan jangka pendek dan matlamat kewangan jangka panjang.

Table 5 shows the time taken to achieve financial goals short -term and long -term financial goals.

Antara pasangan di bawah, pernyataan yang manakah betul bagi mencapai matlamat kewangan.

Among the below pairs, which statement is correct to achieve financial goals.

	Matlamat kewangan jangka pendek <i>Financial goal short term</i>	Matlamat kewangan jangka panjang <i>Financial goal long-term</i>
A	kurang daripada 1 tahun <i>less than 1 year</i>	1 tahun <i>1 year</i>
B	kurang daripada 1 tahun <i>less than 1 year</i>	lebih daripada 1 tahun <i>more than 1 year</i>
C	kurang daripada 1 tahun <i>less than 1 year</i>	5 tahun <i>5 years</i>
D	kurang daripada 1 tahun <i>less than 1 year</i>	lebih daripada 5 tahun <i>more than 5 years</i>

Jadual 5

Table 5

- 38 Encik Saiful membeli 500 000 unit saham Q pada harga RM1.10 seunit. Setelah 12 bulan, beliau menjual kesemua saham dengan harga RM1.30 seunit. Hitung pulangan pelaburan.

Encik Saiful purchased 500 000 units of Q shares at RM1.10 per unit. After 12 months, he sold all the shares at RM1.30 per unit. Calculate the return of investment.

- A** 18.18 %
B 19.00 %
C 19.19 %
D 20.20 %

[Lihat halaman sebelah
SULIT

- 39 Rajah 18 di bawah menunjukkan inouis pembelian perabot En. Asyraf. Kedai perabot itu mengenakan cukai jualan sebanyak 5 %. Hitung cukai jualan yang perlu dibayar oleh En. Asyraf.

Table 18 shows the furniture purchase invoice of Mr. Asyraf. The furniture store charges 5 % for sales tax. Calculate the sales tax to be paid by Mr. Asyraf.

Inouis Perabot D'Tembesu <i>Invoice D'Tembesu Furniture</i>		
Tarikh <i>Date</i>	Huraian <i>Description</i>	Amaun (RM) <i>Amount (RM)</i>
24/8/2020	1 set bilik tidur <i>1 bedroom set</i>	2 999.00
	1 set meja makan <i>1 set of dining table</i>	1 999.00
Jumlah <i>Total</i>		

Rajah 18

Table 18

- A RM99.90
B RM249.90
C RM349.90
D RM449.90

- 40 Puan Umairah mempunyai insurans kebakaran untuk rumahnya dengan deduktibel sebanyak RM7 000. Polisi kebakaran itu mempunyai ko-insurans 85% dan nilai boleh insurans rumah itu ialah RM1.5 juta. Rumah Puan Umairah mengalami kebakaran dan penilaian kerugian adalah sebanyak RM272 000. Hitung penalti ko-insurans jika dia telah menginsuranskan rumahnya dengan jumlah RM920 000.

Puan Umairah has fire insurance for her house with a deductible of RM7 000. The fire policy has 85% co-insurance and the disposable value of the house is RM1.5 million. Puan Umairah's house suffered a fire and the loss assessment was RM272 000. Calculate the co-insurance penalty if she has insured her house for RM920 000.

- A RM75 733.33
- B RM82 733.33
- C RM105 173.33
- D RM112 173.33

KERTAS SOALAN TAMAT

MAKLUMAT UNTUK CALON
INFORMATION FOR CANDIDATES

1. Kertas peperiksaan ini mengandungi **40** soalan.

*This question paper consists of **40** questions.*

2. Jawab **semua** soalan.

*Answer **all** questions.*

3. Jawab semua soalan dengan menghitamkan ruangan yang betul pada kertas jawapan objektif.

Answer each question by blackening the correct space on the objective answer sheet.

4. Hitamkan **satu** ruangan sahaja bagi setiap soalan.

*Blacken only **one** space for each question.*

5. Sekiranya anda hendak menukar jawapan, padamkan tanda yang telah dibuat. Kemudian hitamkan jawapan yang baharu.

If you wish to change your answer, erase the blackened mark that you have done.

Then blacken the space for the new answer.

6. Rajah yang mengiringi soalan tidak dilukis mengikut skala kecuali dinyatakan.

The diagrams in the questions provided are not drawn to scale unless stated.

7. Satu senarai rumus disediakan di halaman 2 hingga 4.

A list of formulae is provided on pages 2 to 4.

8. Anda dibenarkan menggunakan kalkulator saintifik.

You may use a scientific calculator.