

**JABATAN PELAJARAN TERENGGANU**

*DENGAN KERJASAMA*

PERSIDANGAN KEBANGSAAN PENGETUA

SEKOLAH MENENGAH MALAYSIA

CAWANGAN TERENGGANU

PEPERIKSAAN AKHIR TAHUN 2007

TINGKATAN 4

**MATHEMATICS**

**Paper 2**

**Dua jam tiga puluh minit**

**JANGAN BUKA KERTAS SOALAN INI  
 SEHINGGA DIBERITAHU.**

1. *Tuliskan nama dan tingkatan anda pada ruang yang disediakan.*
2. *Calon dikehendaki membaca arahan di halaman 2 atau halaman 3.*
3. *Soalan dalam bahasa melayu di bahagian belakang kertas soalan hanyalah sebagai rujukan pelajar.*

		Examiner's Code	
Section	Question	Mark	Score
A	1	4	
	2	4	
	3	3	
	4	6	
	5	4	
	6	4	
	7	6	
	8	5	
	9	5	
	10	6	
	11	5	
B	12	12	
	13	12	
	14	12	
	15	12	
	16	12	
Total			

This Question booklet consists of 39 printed pages.

## INFORMATION FOR CANDIDATES

1. *This question paper consists of two sections: **Section A** and **Section B**.*
2. *Answer **all** question in **section A** and **four** questions from **section B**.*
3. *Write your answer clearly in the spaces provided in the question paper.*
4. *Show your working. It may help you to get marks.*
5. *If you wish to change your answer, neatly cross out the answer that you have done. Then write down the new answer.*
6. *The diagrams in the questions provided are not drawn to scale unless stated.*
7. *The marks allocated for each question and sub-part of a question are shown in brackets.*
8. *A list of formulae is provided on pages 4 to 5.*
9. *You can use a booklet of four-figure mathematical tables.*
10. *You may use a non-programmable scientific calculator.*
11. *This question paper must be handed in at the end of the examination.*

## MATHEMATICAL FORMULAE

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

### RELATIONS

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

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

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

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

$$5. \quad P(A) = \frac{n(A)}{n(S)}$$

$$6. \quad P(A') = 1 - P(A)$$

$$7. \quad \text{Distance} = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}$$

$$8. \quad \text{Midpoint, } (x, y) = \left( \frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

$$9. \quad \text{Average speed} = \frac{\text{distance travelled}}{\text{time taken}}$$

$$10. \quad \text{Mean} = \frac{\text{sum of data}}{\text{number of data}}$$

$$11. \quad \text{Mean} = \frac{\text{sum of (class mark} \times \text{frequency)}}{\text{sum of frequencies}}$$

$$12. \quad \text{Pythagoras Theorem}$$

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

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

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

## SHAPES AND SPACE

1. Area of trapezium =  $\frac{1}{2} \times$  sum of parallel sides  $\times$  height
2. Circumference of circle =  $\pi d = 2\pi r$
3. Area of circle =  $\pi r^2$
4. Curved surface area of cylinder =  $2\pi rh$
5. Surface area of sphere =  $4\pi r^2$
6. Volume of right prism = cross sectional area  $\times$  length
7. Volume of cylinder =  $\pi r^2 h$
8. Volume of cone =  $\frac{1}{3} \pi r^2 h$
9. Volume of sphere =  $\frac{4}{3} \pi r^3$
10. Volume of right pyramid =  $\frac{1}{3} \times$  base area  $\times$  height
11. Sum of interior angles of a polygon =  $(n - 2) \times 180^\circ$
12. 
$$\frac{\text{arc length}}{\text{circumference of circle}} = \frac{\text{angle subtended at centre}}{360^\circ}$$
13. 
$$\frac{\text{area of sector}}{\text{area of circle}} = \frac{\text{angle subtended at centre}}{360^\circ}$$
14. Scale factor,  $k = \frac{PA'}{PA}$
15. Area of image =  $k^2 \times$  area of object.

**Section A**  
[52 marks]

*Answer all questions in this section..*

1. Solve the quadratic equation  $\frac{9m - 2m^2}{2} = 3 + m$

[4 marks]

*Answer:*

For  
examiner's  
use

2. Calculate the value of  $x$  and  $y$  that satisfy the following simultaneous linear equations;

$$3x + y = 3$$

$$9x - \frac{1}{2}y = -5$$

[4 marks]

*Answer:*

For  
examiner's  
use

3.

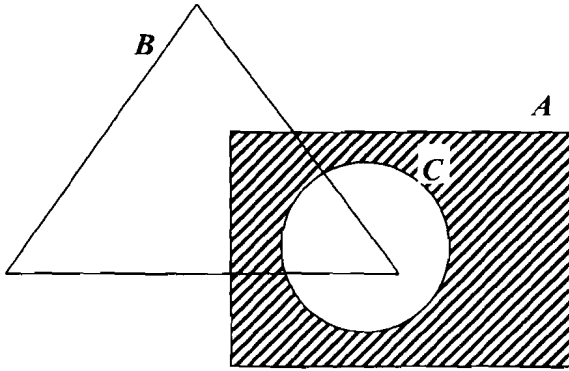


Diagram 1

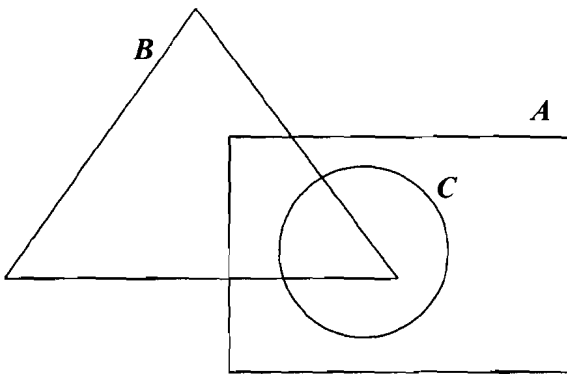
- a) Diagram 1 show sets  $A$ ,  $B$  and  $C$ . Define the sets which represent the shaded region.
- b) On the diagram in answer space, shade the region that represent the sets  $(B \cap C) \cup A'$

[3 marks]

Answer:

a)

b)



For  
examiner's  
use

4.

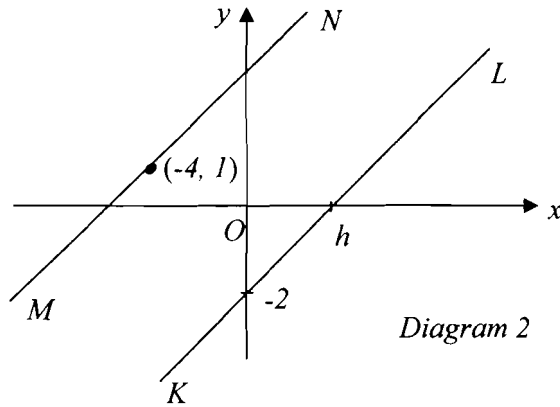


Diagram 2

In *diagram 2*,  $O$  is the origin.  $MN$  and  $KL$  are straight lines. Given the gradient of straight line  $KL$  is  $\frac{1}{2}$  and  $MN$  is parallel to straight line  $KL$ .

Find;

- a) the value of  $h$
- b) the equation of the straight line  $MN$
- c) the  $x$  – intercept of the straight line  $MN$

[ 6 marks]

Answer:

a)

b)

c)

5.

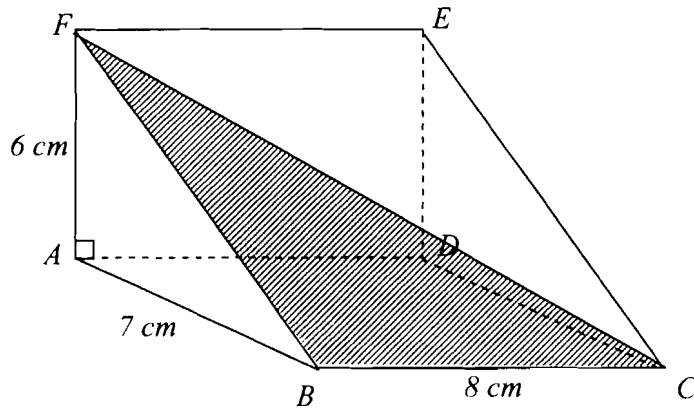


Diagram 3

Diagram 3 shows a right prism with horizontal base  $ABCD$ . Calculate the angle between the plane  $BCF$  and the base  $ADEF$ .

[4 marks]

Answer:

For  
examiner's  
use

6.

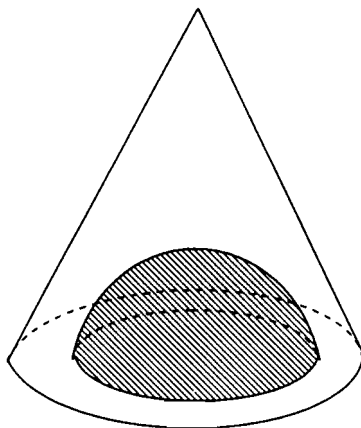


Diagram 4

Diagram 4 shows a solid cone with a hemisphere is taken out of the solid. Given the height of the cone is 9 cm and base diameter of the cone and hemisphere are 7 cm and 9 cm respectively

Using  $\pi = \frac{22}{7}$ , calculate the volume of the remaining solid.

[4 marks]

Answer:

7.

For  
examiner's  
use

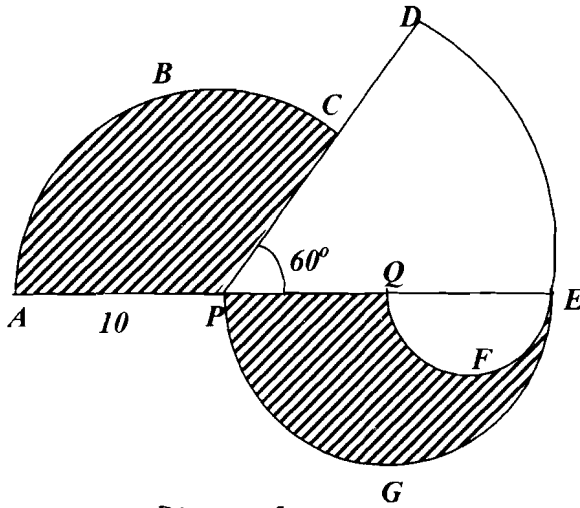


Diagram 5

Diagram 5 shows two sectors  $PABC$  and  $PDEQ$  with the same centre  $P$ .  $QPGE$  is a semicircle with centre  $Q$ .  $QFE$  is a semicircle with diameter  $QE$ . Given  $PQ = 7$  cm.

Using  $\pi = \frac{22}{7}$ , calculate

- Area of the shaded region, in  $\text{cm}^2$
- Perimeter of the whole diagram, in cm

[ 6 marks]

Answer:

a)

b)

For  
examiner's  
use

8. a) Determine whether the given sentence below is a statement or non-statement.

i. 5 is a factor of 12

ii.  $y \leq x + 7$

b) Write down two implications based on the following sentence.

“Two lines are parallel if and only if the two lines have the same gradient”.

c) Complete the conclusion in the following argument.

Premise I : If  $m = n$  then  $m - n = 0$

Premise II :  $m - n \neq 0$

Conclusion : .....

[ 5 marks]

Answer:

a) i. ....

ii. ....

b) Implication I: .....

Implication II: .....

c) Conclusion: .....

For  
examiner's  
use

9. a) State whether the statement below is true or false .

“ $3 \times 6 = 18$  and  $3 + 6 = 10$ ”

b) Complete the following mathematical sentence with the symbol “=” or “ $\neq$ ” to make

i) True statement

$4 - 6$    $2$

ii) False statement

$a \times a$    $2a$

c) Make a general conclusion by induction based on the information given below;

“2, 11, 26, 47,.....and

$3 \times 1 - 1 = 2$

$3 \times 4 - 1 = 11$

$3 \times 9 - 1 = 26$

$3 \times 16 - 1 = 49$

.....= .....

[5 marks]

Answer:

a) .....

b) i)  $4 - 6$    $2$

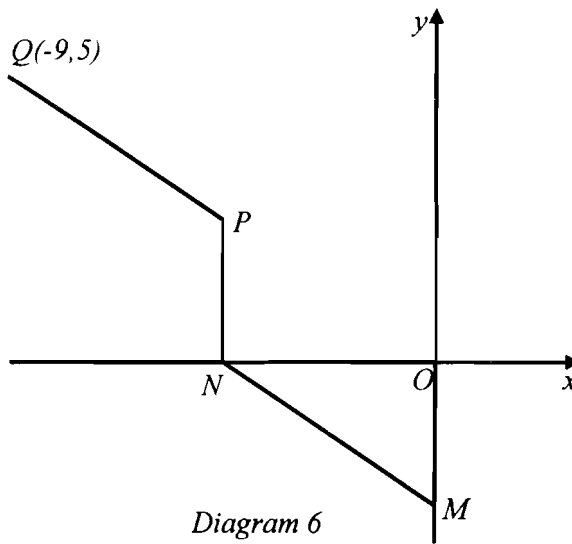
ii)  $a \times a$    $2a$

c) Conclusion:

.....  
.....

For  
examiner's  
use

10.



In diagram 6,  $MN, NP$  and  $PQ$  are straight lines.  $MN$  is parallel to  $PR$  and  $NP$  is parallel to  $y$ - axis. The equation of the straight line  $MN$  is  $2x + 3y = 6$

- a) State the equation of straight line  $NP$
- b) Find the equation of the straight line  $PQ$

[6 marks]

Answer:

a)

b)

11. a) A dice is thrown,
- i) State the sample space.
  - ii) State the event of getting a prime number. [2 marks]
- b) A technician has tested  $x$  set of electronic component in a factory and found that 18 are defected. Given that probability of a defected set is  $\frac{1}{50}$ , find the value of  $x$ . [5 marks]

*Answer:*

a) i)

ii)

b)

Section B

[48 marks]

Answer **four** questions from this section.

12. a) i) Transformation  $R$  is an enlargement of scale factor 4 about centre  $(0, 1)$ .

State the coordinate of the image of point  $(2, 2)$  under transformation  $R$ .

ii)

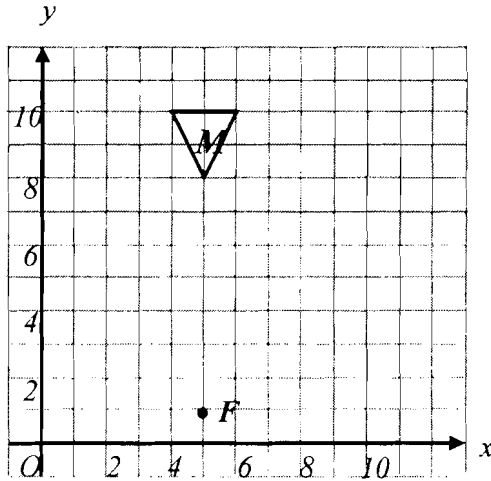


Diagram 7

In diagram 7,  $R$  is anticlockwise rotation of  $90^\circ$  about centre  $(5, 5)$ .

- a) Draw the image of  $M$  under the rotation above.
- b) The coordinate of point  $F'$ , given  $F'$  is an image of  $F$  under the same rotation.

[5 marks]

b)

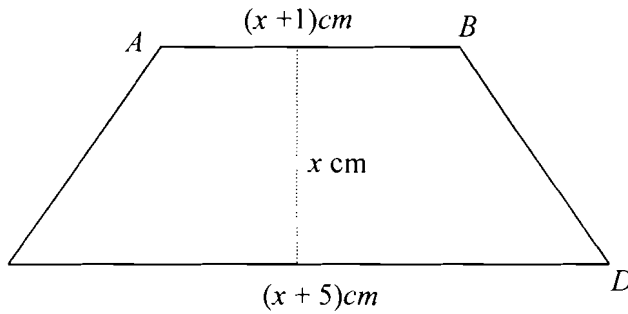


Diagram 8

In diagram 8,  $ABCD$  is a trapezium. Given  $AB = (x + 1)$  cm and  $CD = (x + 5)$  cm.

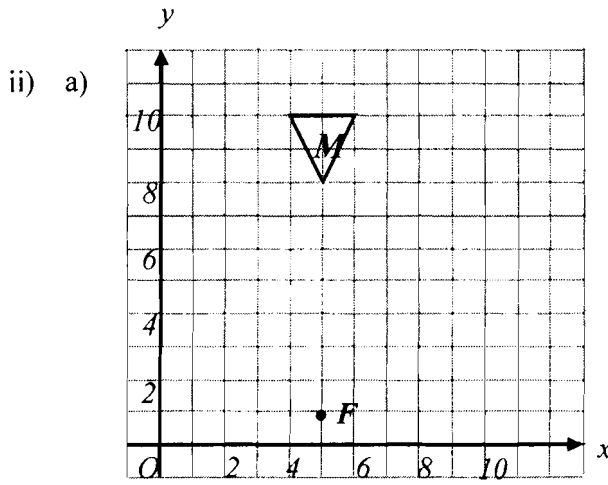
- i) Express the area of a trapezium in the term of  $x$ .
- ii) If the area of the trapezium is  $130\text{cm}^2$ . Find the value of  $x$

[7 marks]

For  
examiner's  
use

Answer

a) i) .....



b) .....

b) i)

ii)

For  
examiner's  
use

13.

34	42	30	39	29	33	21	37	28	33
29	38	23	28	40	27	35	43	27	22
40	27	48	32	25	30	40	24	35	28
27	37	35	29	46	37	45	32	36	30
26	27	39	21	38	29	36	26	34	24

Table 1

a) Data in table 1 shows the first 50 blood donors during a blood donation campaign.

Complete table 2 on the answer space based on data in table 1.

Ages	Class mark	Frequency
16 – 20	18	0
21 – 25		

Table 2

[4 marks]

b) Based on your table in (a)

- i) State the modal class.
- ii) Calculate the mean age of blood donors and give your answer correct to 2 decimal places.

[4 marks]

c) For this part of this question, use the graph paper provided on page 38.

By using a scale 2 cm to 5 marks on the x-axis and 2 cm to 2 blood donors on y-axis, draw a frequency polygon for the distribution.

[4 marks]

For  
examiner's  
use

Answer:

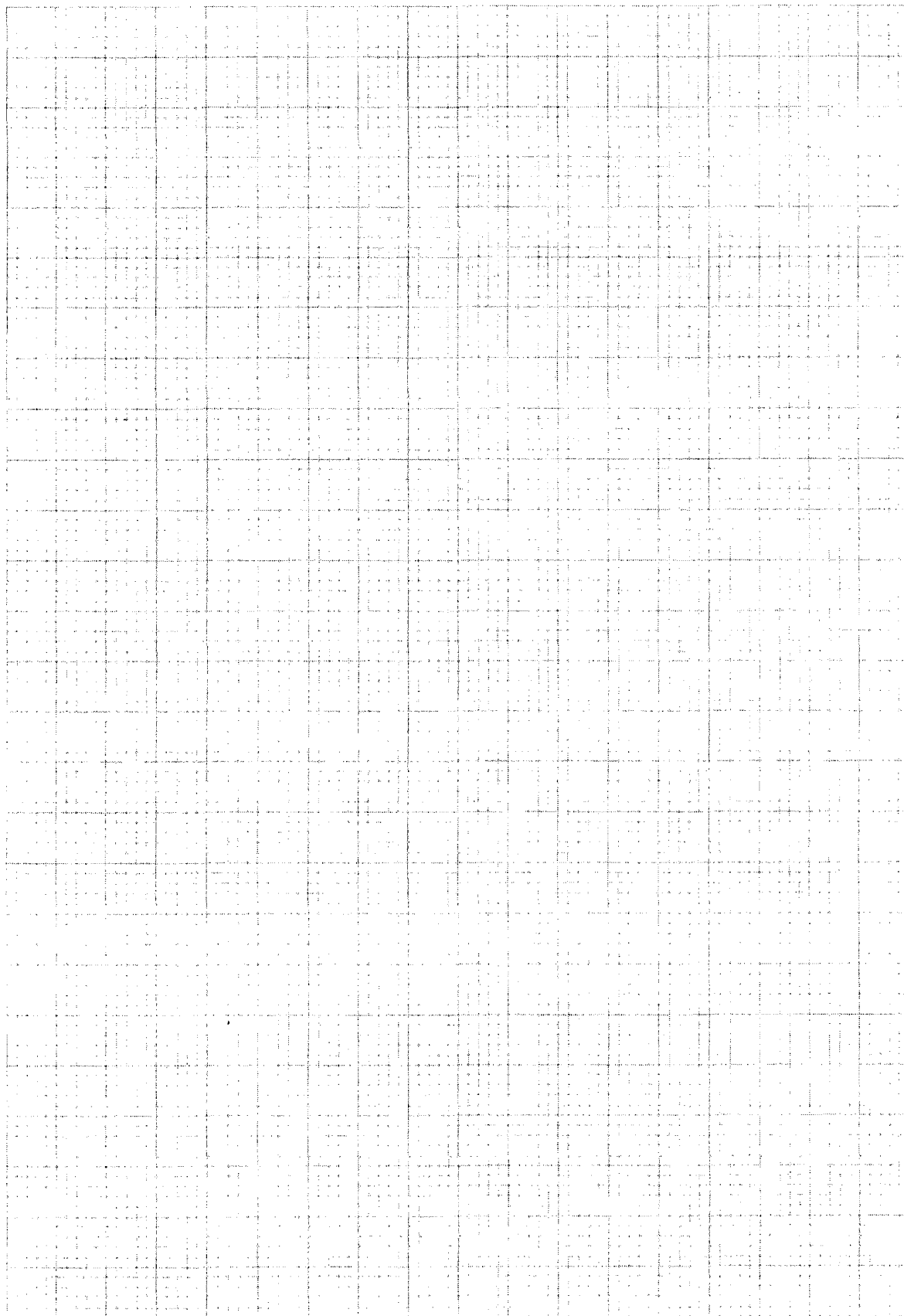
a)

<i>Ages</i>	<i>Class mark</i>	<i>Frequency</i>
16 – 20	18	0
21 – 25		

Table 2

b) i)

ii)



14. *Table 3* shows a cumulative frequency and the upper boundary of each class interval of the data of a group of 96 students which measured to the nearest cm.

<i>Upper boundary</i>	<i>Cumulative frequency</i>
94.5	0
99.5	4
104.5	14
109.5	40
114.5	64
119.5	81
124.5	90
129.5	94
134.5	96

*Table 3*

- a) i) Based on *table 3*, state the size of class interval.
- ii) Complete *table 4* on the answer space, hence calculate the estimate mean height of the student. [7 marks]
- b) *For this part of this question, use the graph paper provided on page 23. You may use a flexible curve rule.*
- i) By using a scale 2 cm to 5 students on the *x*-axis and 2 cm to 10 cm on the *y*-axis, draw an ogive base on *table 4*. [4 marks]
- ii) From the ogive, find the interquartile range. [1 mark]

For  
examiner's  
use

Answer:

- a) i) .....  
ii)

<i>Height( cm)</i>	<i>Frequency</i>	<i>Cumulative Frequency</i>	<i>Class Mark</i>	<i>Upper Boundary</i>
90 – 94	0	0		94.5
95 – 99	4	4		99.5
		14		104.5
		40		109.5
		64		114.5
		81		119.5
		90		124.5
		94		129.5
		96		134.5

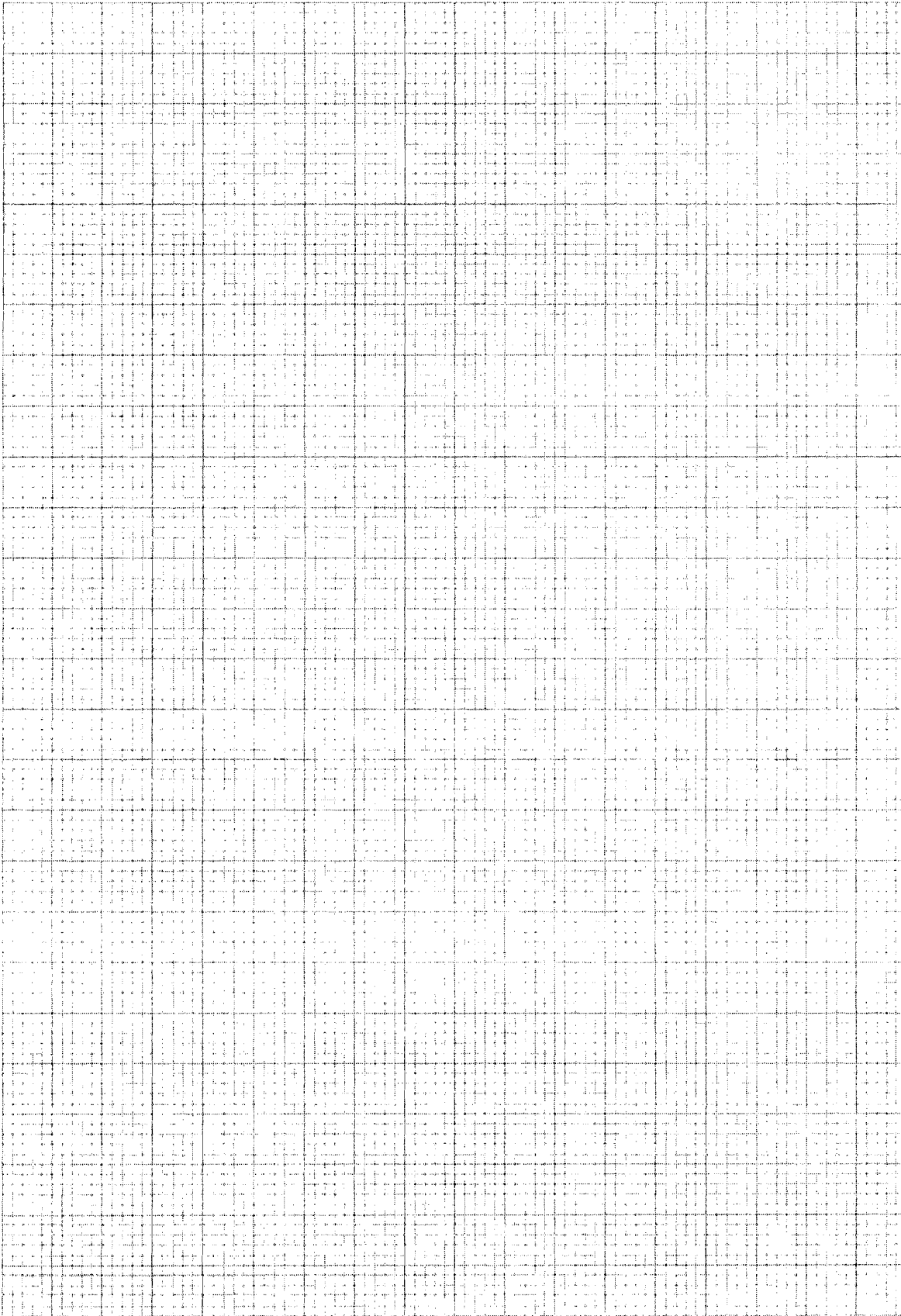
Table 4

Mean =

b) ii)

**Graph for question 14**

For  
examiner's  
use



For  
examiner's  
use

15. a)

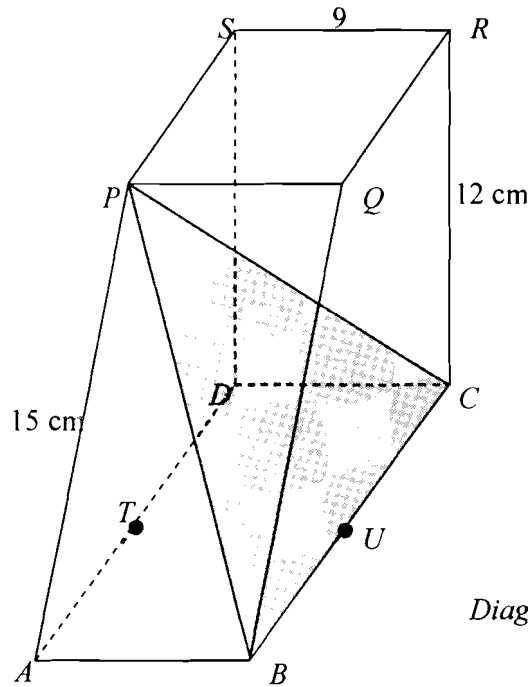


Diagram 9

Diagram 9, shows a prism with rectangular base,  $ABCD$ .  $T$  and  $U$  are midpoints of the sides  $AD$  and  $BC$ , respectively.  $PQRS$  is a square.  $P$  and  $Q$  are vertically above  $T$  and  $U$  respectively.

i) Name the angle between

- a) Line  $BP$  and the base  $ABCD$ .
- b) Plane  $BCP$  and the base  $ABCD$ .

[2 marks]

ii) Calculate the angle between plane  $BCP$  and the base  $ABCD$ .

[4 marks]

b)

Number of storybooks	0	1	2	3	4	5
Number of students	4	26	10	30	18	12

Table 5

Table 5 shows the respective number of storybooks per year read by 100 students in Batu Rakit Boundry School. If a student is selected at random, find the probability that the selected student reads

- i) 3 storybooks per year.
- ii) At least 2 storybooks per year.
- iii) More than 2 but less than 5 storybooks per year.

[6 marks]

*For  
examiner's  
use*

*Answer:*

a) i) a) .....

b) .....

ii)

b) i)

ii)

iii)

For  
examiner's  
use

16. a) Given

$$\xi = \{4, 5, 6, 7, 8, 9, 10, 11, 12\}$$

$$\text{Set } P = \{4, 5, 7, 9\}$$

$$\text{Set } Q = \{5, 6, 7, 8\}$$

$$\text{Set } R = \{7, 9, 10\}$$

Find the elements of the following sets

i)  $(P \cup Q)'$

ii)  $(Q \cup R)'$

iii)  $(P \cup Q \cup R)'$

[3 marks]

b)

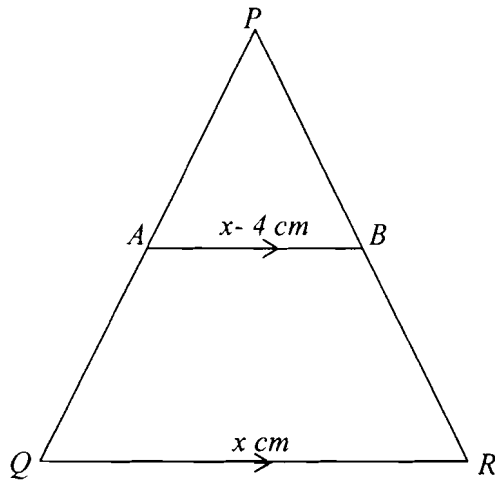


Diagram 10

Diagram 10 shows a triangle  $PQR$  which has an area of  $96 \text{ cm}^2$ . Express in terms of  $x$   
The height of triangle  $PQR$

- i. The height of triangle  $PQR$
- ii. The height of triangle  $ABRQ$
- iii. The area of trapezium  $ABRQ$

[9 marks]

*Answer:*

*For  
examiner's  
use*

a) i)

ii)

iii)

b) i)

ii)

iii)

**END OF QUESTION**

**Bahagian A**  
[52 markah]

Jawab **semua** soalan dalam bahagian ini

1. Selesaikan persamaan kuadratik  $\frac{9m - 2m^2}{2} = 3 + m$

[4 markah]

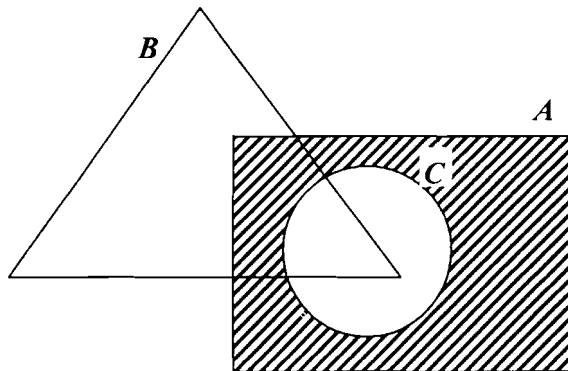
2. Hitungkan nilai  $x$  dan  $y$  yang memuaskan persamaan linear serentak berikut.

$$3x + y = 3$$

$$9x - \frac{1}{2}y = -5$$

[4 markah]

3.

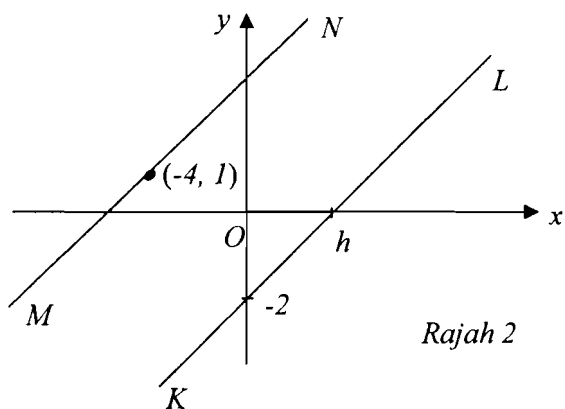


*Rajah 1*

- a) Rajah 1 menunjukkan set  $A$ ,  $B$  dan  $C$ . Nyatakan set yang mewakili rantau berlorek
- b) Pada rajah yang disediakan di ruang jawapan, lorekkan rantau yang mewakili set  $(B \cap C) \cup A'$

[3 markah]

4.



Rajah 2

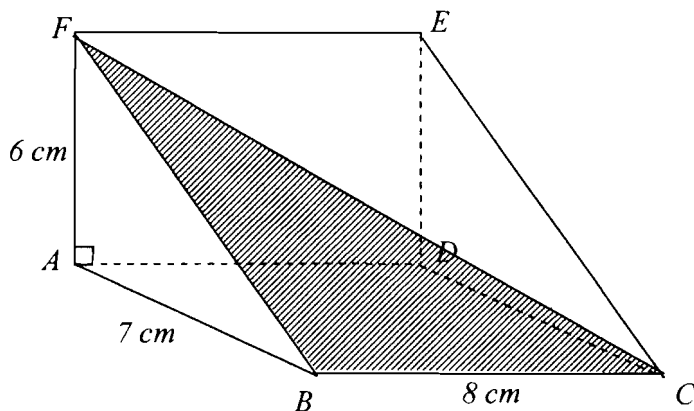
Dalam rajah 2,  $O$  ialah asalan.  $MN$  dan  $KL$  adalah garis lurus. Diberi kecerunan garis lurus  $KL$  ialah  $\frac{1}{2}$  dan  $MN$  adalah selari dengan  $KL$

Carikan;

- a) nilai  $h$
- b) persamaan garis lurus  $MN$
- c) pintasan  $-x$  bagi garis lurus  $MN$

[6 markah]

5.

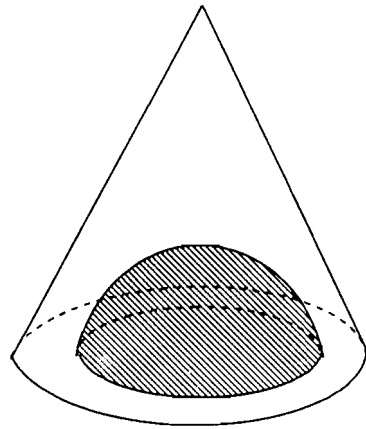


Rajah 3

Rajah 3 di atas menunjukkan sebuah prisma tegak dengan tapak  $ABCD$  mengufuk. Hitungkan sudut di antara satah  $BCF$  dan satah  $ADEF$

[4 markah]

6.

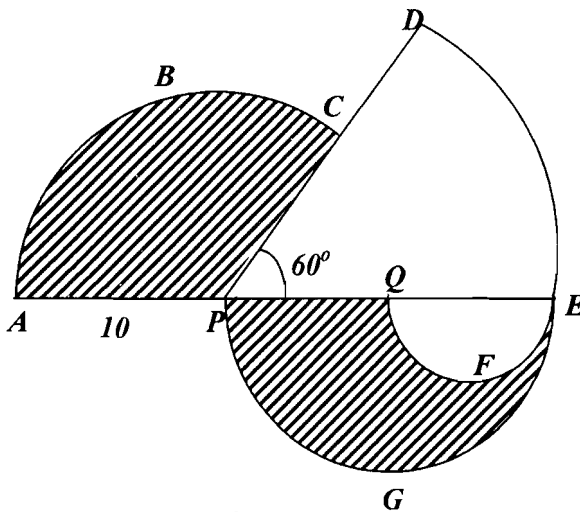


Rajah 4

Rajah 4 di atas menunjukkan sebuah pepejal berbentuk kon dengan sebuah hemisfera dikeluarkan daripada kon itu. Diberi tinggi kon ialah 9 cm dan diameter tapak kon dan hemisfera ialah masing-masing 7 cm dan 9 cm.

Dengan menggunakan  $\pi = \frac{22}{7}$ , hitungkan isipadu pepejal yang tinggal.

7.



Rajah 5

Dalam rajah 5,  $PABC$  dan  $PDEQ$  merupakan sektor bulatan berpusat P.  $QPGE$  merupakan semibulatan berpusat Q.  $QFE$  merupakan semibulatan dengan diameter  $QE$ . Diberi  $PQ = 7$  cm.

Dengan menggunakan  $\pi = \frac{22}{7}$ , hitungkan

- a) Luas rantau berlorek
- b) Perimeter dalam cm, seluruh rajah itu

[ 6 markah ]

8.a) Tentukan samada ayat yang diberikan dibawah adalah pernyataan atau bukan pernyataan?

b) Tuliskan dua implikasi daripada ayat berikut:

“Dua garis adalah selari jika dan hanya jika dua garis mempunyai kecerunan yang sama

c) Lengkapkan dua kesimpulan dalam hujah berikut.

Premis 1 : Jika  $m = n$  maka  $m - n = 0$

Premis 2 :  $m - n \neq 0$

Kesimpulan : .....

[ 5 marks]

9. a) Nyatakan samada pernyataan di bawah benar atau palsu .

$3 \times 6 = 18$  dan  $3 + 6 = 10$

b) Lengkapkan ayat matematik di bawah dengan menulis simbol “=” or “ $\neq$ ” dalam petak untuk membentuk

ii) Pernyataan benar

$4 - 6$    $2$

ii) Permtataan palsu

$a \times a$    $2a$

c) Bentukkan kesimpulan secara aruhan berdasarkan maklumat dibawah;

“2, 11, 26, 47,.....”

$3 \times 1 - 1 = 2$

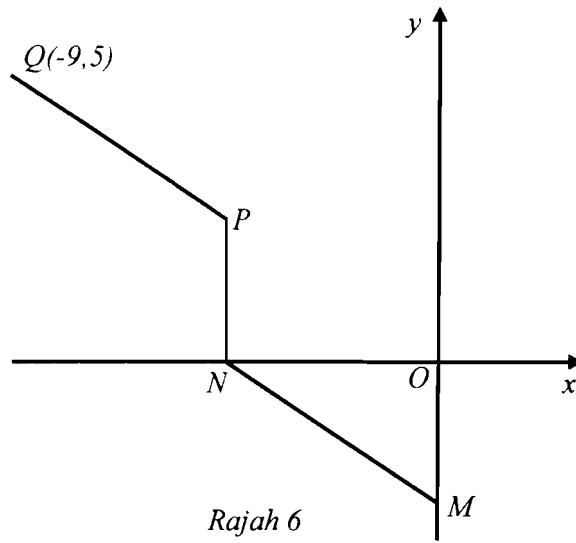
$3 \times 4 - 1 = 11$

$3 \times 9 - 1 = 26$

$3 \times 16 - 1 = 49$

.....= .....

10.



Dalam *raajah 6*, graf menunjukkan  $MN, NP$  dan  $PQ$  adalah garis lurus.  $MN$  selari dengan  $PQ$  adalah garis lurus.  $MN$  selari dengan  $PQ$  dan  $NP$  selari dengan paksi- $y$ . Persamaan garis lurus  $MN$  ialah  $2x + 3y = 6$ .

- a) Nyatakan persamaan garis lurus  $NP$
- b) Cari persamaan garis lurus  $PQ$

[6 markah]

11. a) Sebuah dadu dilambung.

- i) Senaraikan ruang sampel.
- ii) Senaraikan peristiwa mendapat nombor perdana.

[2 markah]

b) Seorang juruteknik telah menguji satu set komponen elektronik di sebuah kilang dan mendapati 18 unit daripada komponen itu rosak. Diberi bahawa kebarangkalian komponen itu rosak ialah  $\frac{1}{50}$ , carikan nilai  $x$ .

[5 markah]

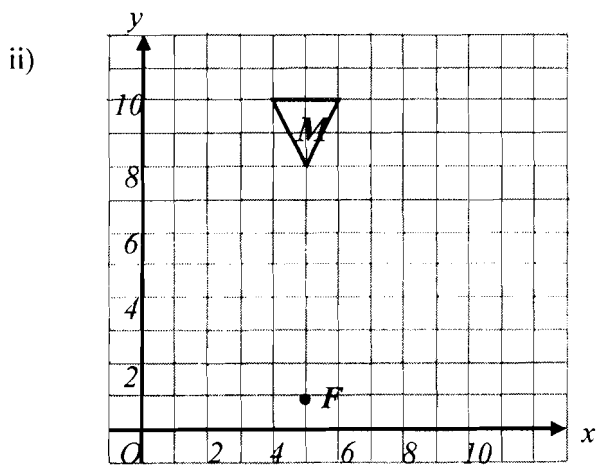
**Bahagian B**

[48 markah]

*Jawab empat soalan sahaja dari bahagian ini.*

12. a) i) Penjelmaan  $R$  mewakili pembesaran dengan faktor skala 4 pada titik  $(0, 1)$

Nyatakan koordinat imej bagi titik  $(2, 2)$  di bawah penjelmaan  $R$



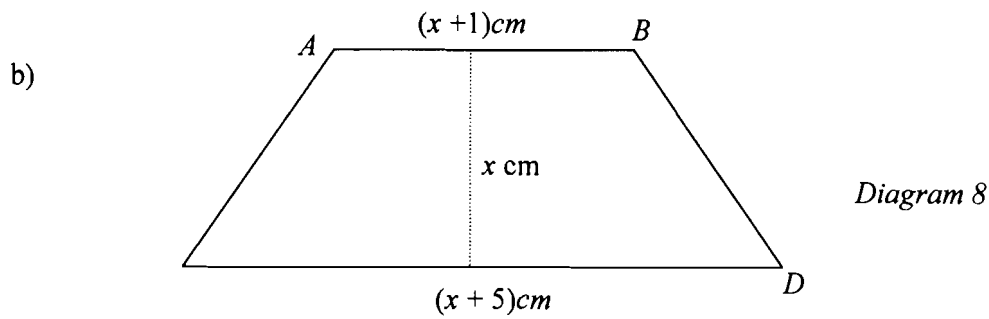
*Rajah 7*

Dalam *Rajah 7* di atas  $R$  ialah putaran arah lawan jam pada titik  $(5, 5)$ .

a) Lukiskan imej  $M$  di bawah putaran  $R$

b) Koordinat bagi titik  $F'$  jika diberi bahawa titik  $F'$  ialah imej  $F$  dibawah Putaran yang sama

[5 markah]



Dalam *rajah 8* di atas  $ABCD$  ialah sebuah trapezium.  $AB = (x + 1)$  cm dan  $CD = (x + 5)$  cm

- i) Ungkapkan luas trapezium di atas dalam sebutan  $x$
- ii) Jika luas trapezium di atas ialah  $130 \text{ cm}^2$ , cari nilai  $x$

[7 markah]

13.

34	42	30	39	29	33	21	37	28	33
29	38	23	28	40	27	35	43	27	22
40	27	48	32	25	30	40	24	35	28
27	37	35	29	46	37	45	32	36	30
26	27	39	21	38	29	36	26	34	24

Jadual 1

Data dalam *jadual 1* menunjukkan 50 penderma darah pertama semasa kempen derma darah

- a) Lengkapkan *jadual 2* pada ruang jawapan berdasarkan data dalam *jadual 1*

Umur	Titik Tengah	Kekerapan
16 – 20	18	0
21 – 25		

Jadual 2

[4 markah]

- b) Berdasarkan jadual di (a)
- Nyatakan kelas mod
  - Hitungkan min umur penderma darah dan berikan jawapan anda betul kepada dua tempat perpuluhan.
- [4 markah]
- c) Untuk ceraian soalan ini, gunakan kertas graf yang disediakan di halaman 35. Dengan menggunakan skala 2 cm kepada 5 markah pada paksi-x dan 2 cm kepada seorang murid pada paksi-y, lukiskan poligon kekerapan berdasarkan jadual di (a).
- [4 markah]

14. *Jadual 3* di bawah menunjukkan kekerapan longgokan dan sempadan atas bagi ketinggian 96 orang pelajar yang diukur kepada cm yang hampir

<i>Sempadan Atas</i>	<i>Kekerapan Longgokan</i>
94.5	0
99.5	4
104.5	14
109.5	40
114.5	64
119.5	81
124.5	90
129.5	94
134.5	96

*Jadual 3*

- Berdasarkan data dalam jadual 3, nyatakan saiz selang kelas
    - Lengkapkan jadual 4 pada ruang jawapan dan seterusnya, hitungkan min ketinggian pelajar dalam kumpulan itu
- [7 markah]

b) Untuk ceraiian soalan ini, gunakan kertas graf yang disediakan di halaman 44. Penggunaan pembaris fleksibel dibenarkan.

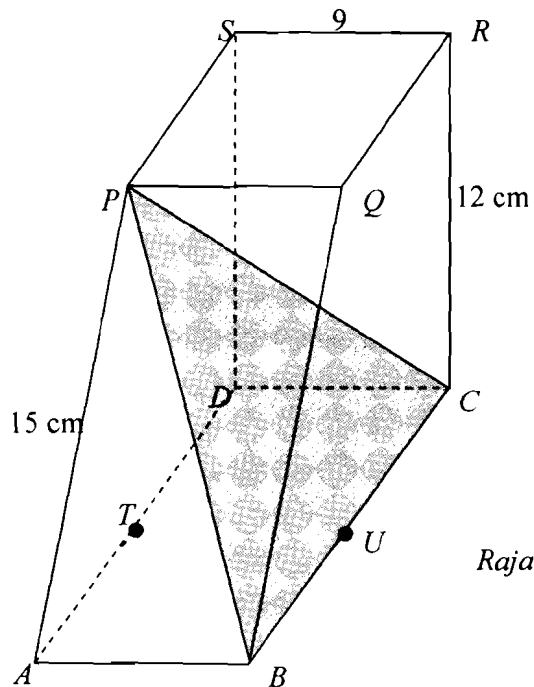
i) Dengan menggunakan skala 2 cm kepada 5 pelajar pada paksi-x dan 2 cm kepada 10 cm pada paksi-y, lukiskan satu ogif bagi data dalam Jadual 4

[4 markah]

ii) Daripada ogif itu, carikan julat antara kuartil.

[1 markah]

15. a)



Rajah 9

Rajah 9, menunjukkan sebuah prisma dengan tapak  $ABCD$ .  $T$ ,  $U$  adalah titik tengah kepada  $AD$  dan  $BC$  masing-masing  $PQRS$  sebuah segi empat sama.  $PQ$  tegak di atas  $T$  dan  $U$  masing-masing

i. Namakan sudut di antara;

a) garis  $BP$  dengan tapak  $ABCD$ .

b) satah  $BCP$  dengan tapak  $ABCD$ .

[2 markah]

ii) Kirakan sudut di antara satah  $BCP$  dengan tapak  $ABCD$ .

[4 markah]

b)

<i>Bilangan Buku Cerita</i>	0	1	2	3	4	5
<i>Bilamgan Pelajar</i>	4	26	10	30	18	12

Jadual 5

Jadual 5 menunjukkan bilangan buku cerita yang dibaca oleh 100 orang pelajar di sebuah sekolah di Batu Rakit. Jika seorang pelajar dipilih secara rawak.

Hitung kebarangkalian pelajar yang terpilih membaca

- i) 3 buku cerita setahun
- ii) Sekurang-kurangnya 2 buku cerita setahun
- iii) Lebih dari 2 tapi kurang daripada 5 buku cerita setahun

[6 markah]

16. a) Diberi;

$$\xi = \{ 4,5,6,7,8,9,10,11,12 \}$$

$$\text{Set } P = \{ 4,5,7,9 \}$$

$$\text{Set } Q = \{ 5,6,7,8 \}$$

$$\text{Set } R = \{ 7,9,10 \}$$

Senaraikan unsur-unsur bagi set berikut;

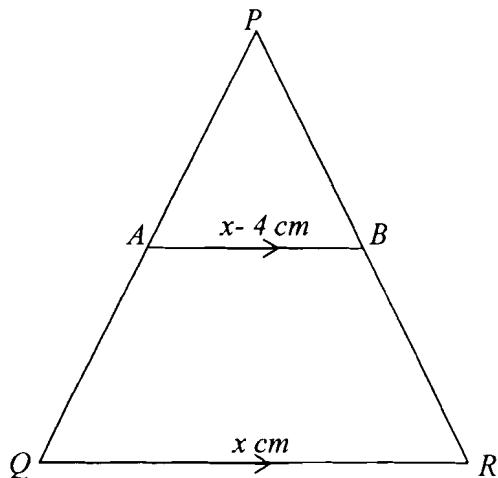
i)  $(P \cup Q)'$

ii)  $(Q \cup R)'$

iii)  $(P \cup Q \cup R)'$

[3 markah]

b)



Rajah 10

Rajah 10 menunjukkan segitiga  $PQR$  dengan keluasan  $96 \text{ cm}^2$ . Ungkapkan dalam sebutan  $x$

- i. Tinggi segitiga  $PQR$
- ii. Tinggi trapezium  $ABRQ$
- iii. Luas trapezium  $ABRQ$

[9 markah]

**KERTAS SOALAN TAMAT**