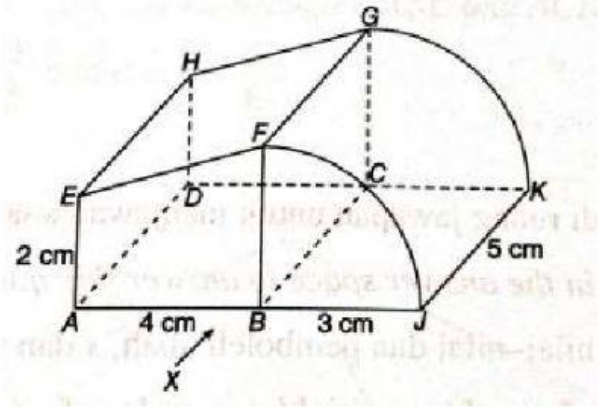
REVISION 11 - Section C (60 marks)
Bahagian C (60 markah)

Instruction : Answer all questions in the space provided. Show your calculation.
Arahan : Jawab semua soalan pada ruangan yang disediakan. Tunjukkan jalan pengiraan anda.

b) The diagram shows a composite solid consisting of a prism and a quater cylinder.
Rajah menunjukkan sebuah pepejal gabungan yang terdiri daripada sebuah prisma dan sebuah sukuan silinder.



Calculate the volume of the composite solid ($\pi = \frac{22}{7}$). Give your answer correct to two decimal place

Hitungkan isipadu bentuk pepejal gabungan tersebut. Berikan jawapan tepat sehingga 2 t.p

Answers/*Jawapan :*

Quarter cylinder = _____ x _____ x ^{2} x =

Prism = _____ x (+) x x =

Volume of composite shape = =

b) Mimi's bakery is having a promotion sales on bread and cupcake. One of the offer is shown in the diagram below.
Kedai roti Mimi mengadakan satu promosi jualan roti dan kek cawan. Salah satu daripada tawaran ditunjukkan dalam rajah di bawah.

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a) Based on the above advertisement, write a linear equation.
Berdasarkan iklan di atas, tulis satu persamaan linear.
(let price of 1 bread = RM x and 1 cupcake = RM y)

Answers/*Jawapan :*

+ =

(1 *mark*/markah)

b) Mimi's bakery is having another offer with 3 cupcakes and a bread which cost RM10.
Calculate the price of a cupcake by using elimination method.
Kedai roti Mimi membuat satu lagi tawaran yang mengandungi 3 biji kek cawan dan seketul roti dengan harga RM10. Hitung harga bagi sebiji kek cawan menggunakan kaedah penyingkiran.

Answers/*Jawapan :*

+ = --- eqn 1

+ = --- eqn 2

Eqn 1 x 3

+ = --- eqn 3

+ = --- eqn 2 eqn 3 – eqn 2

=

y =

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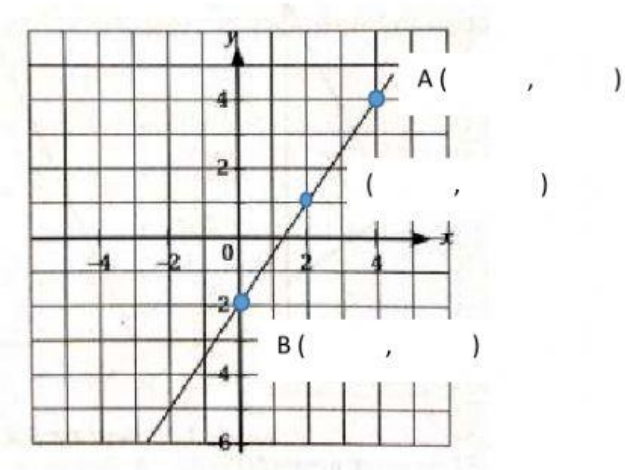
price of cupcake =

(3 *marks*/markah)

26 a) Diagram shows a straight line on a Cartesian plane.
Rajah menunjukkan suatu garis lurus pada satah Cartes.



i) determine the coordinate of the three point in the diagram
tentukan koordinat tiga titik dalam rajah

ii) Find the midpoint of the straight line AB.
Cari persamaan garis lurus itu.

Answers/*Jawapan :*

$$\left(\frac{\quad + \quad}{} , \frac{\quad + \quad}{} \right)$$

= (,)

(2 *marks*/markah)

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b) Express $\frac{1}{5p} - \frac{6-2q}{6pq}$ as a single fraction in its simplest form.

Ungkapkan $\frac{1}{5p} - \frac{6-2q}{6pq}$ *sebagai satu pecahan tunggal dalam bentuk termudah.*

Answers/*Jawapan :*

= _____

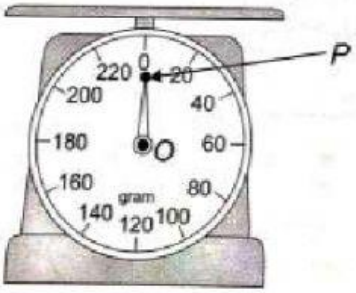
= _____

= (_____)

= _____

(3 *marks*/markah)

c) Diagram shows a weight with an OP needle. When an object of 120g is put on the weight, describe in full the transformation of point P.
Rajah menunjukkan sebuah penimbang dengan jarum OP. Apabila satu pemberat 120g diletakkan di atas penimbang itu, huraikan selengkapnya penjelmaan bagi titik P.



Answers/*Jawapan :*

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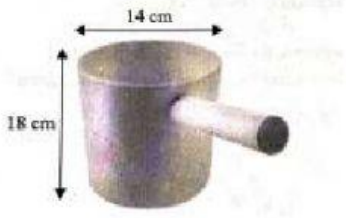
Transformation of point P is _____ of _____centre at point _____

(3 *marks*/markah)

27 a) Diagram shows a container used by Rozi to draw water from a bucket with volume of 38 000 cm^3.
Rajah menunjukkan sebuah bekas yang digunakan oleh Rozi untuk mencedok air daripada sebuah baldi yang berisipadu 38 000 cm^3.



If water in the bucket is half of the volume of the bucket, find the minimum number of times the container is used to draw water.
Jika air di dalam baldi itu adalah separuh daripada isipadu baldi, cari bilangan kali yang minimum bekas itu digunakan untuk mencedok air.
[Use/*Guna* = $\frac{22}{7}$]

Answers/*Jawapan :*

Volume of water in a bucket = _____ =

Volume of water in one container = _____ x ^{2} x =

Minimum number of time to draw water = _____ ≈

(3 *marks*/markah)

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