

REVISION 2 (Section C)

1. (a) Expand each of the following algebraic expression.
Kembangkan setiap ungkapan algebra yang berikut

(i) $-\frac{r}{8}(2s - 8)$

(ii) $(2r + s)(4r - 3s)$

[3 marks]
 [3 markah]

Answer/Jawapan:

a)i. _____ +

a)ii. $\frac{\quad}{\quad^2} - \frac{\quad}{\quad^2}$

- (b) Complete the following steps to simplify the subtraction of algebraic fractions.
Lengkapkan langkah-langkah berikut untuk mempermudah penolakan pecahan algebra.

[4 marks]
 [4 markah]

Answer/Jawapan:

$$\frac{5m}{12} - \frac{m-3}{4} = \frac{5m}{12} - \frac{(m-3) \times \quad}{4 \times \quad}$$

$$= \frac{5m - 3(m-3)}{\quad}$$

$$= \frac{5m - 3m + \quad}{12}$$

$$= \frac{\quad}{12}$$

- 8 (a) Diagram shows a circle.
Rajah menunjukkan sebuah bulatan.

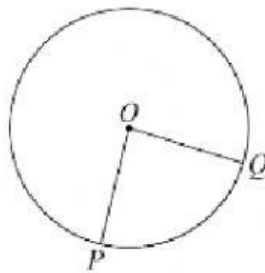


Diagram
Rajah

Match the parts of the circle with the correct names.
Padankan bahagian-bahagian bulatan dengan nama yang betul.

[3 marks]
[3 markah]

Answer/Jawapan:

- | | | | | |
|-------|-----------------------------|---|---|--------------------------------|
| (i) | Line OP
Garis OP | • | • | Minor arc $Lengkuk$
$minor$ |
| (ii) | Point O
Titik O | • | • | Radius
$Jejari$ |
| (iii) | Curve PQ
$Lengkung PQ$ | • | • | Centre
$Pusat$ |

- (b) Match the following.
Padankan yang berikut.

[3 marks]
[3 markah]

Answer/Jawapan:

- | | | |
|-------|--------------------|--------------------|
| (i) | $(x + 2y)^2$ | $x^2 - 4xy + 4y^2$ |
| (ii) | $(x - 2y)^2$ | $x^2 - 4y^2$ |
| (iii) | $(x + 2y)(x - 2y)$ | $x^2 + 4xy + 4y^2$ |

- (c) Diagram shows a polygon which has an axis of symmetry.
Rajah menunjukkan sebuah polygon yang mempunyai satu paksi simetri.

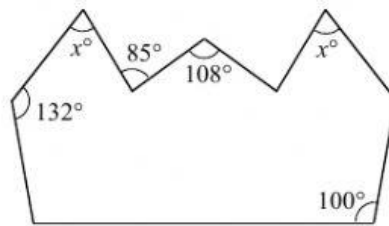


Diagram
Rajah

Find the value of x .
Cari nilai x .

[3 marks]
 [3 markah]

Answer/Jawapan:

Sum of interior angle = () $\times$ =

$$x =$$

$$x =$$

- (d) Diagram shows a cuboid.
Rajah menunjukkan sebuah kuboid.

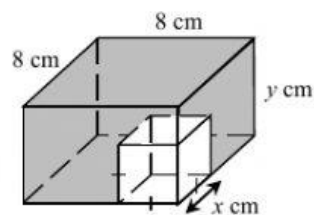


Diagram
Rajah

Given the volume of the shaded part is $I \text{ cm}^3$.
Diberi isi padu bahagian berlorek ialah $I \text{ cm}^3$.

- Express I in terms of x and y .
Ungkapkan I dalam sebutan x dan y .
- Find the value of I when $x = 3$ and $y = 5$.
Cari nilai I apabila $x = 3$ dan $y = 5$.

[3 marks]
 [3 markah]

Answer/Jawapan:

i)

Volume of cuboid = × × =

Volume of cube = ³

=

I = ³

ii.

I = () ³

=

-KERTAS SOALAN TAMAT-