

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.

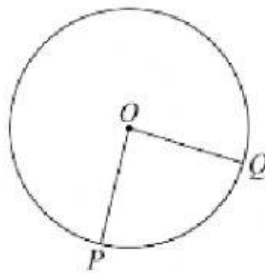


Diagram  
Rajah

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 $OP$<br>Garis $OP$     | • | • | Minor arc $Lengkuk$<br>$minor$ |
| (ii)  | Point $O$<br>Titik $O$      | • | • | Radius<br>Jejari               |
| (iii) | Curve $PQ$<br>Lengkung $PQ$ | • | • | Centre<br>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.*

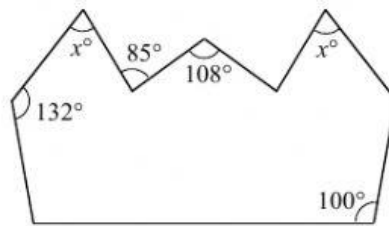


Diagram  
*Rajah*

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.*

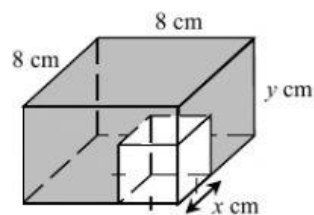


Diagram  
*Rajah*

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 =        <sup>3</sup>

=

I =        <sup>3</sup>

ii.

I =        (        )        <sup>3</sup>

=

**-KERTAS SOALAN TAMAT-**