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REVISION 13.2

SECTION C/BAHAGIAN C

1.a) A manager of a construction company wants to change to a new larger signage. The figure below shows the dimensions of the original signage. Assume that the dimensions of the new signage is three times the length and the width.



(4 marks/markah)

Calculate the area of the new signage and explain how many times bigger the area of the new signage when compared with the original signage.

Answer/Jawapan:

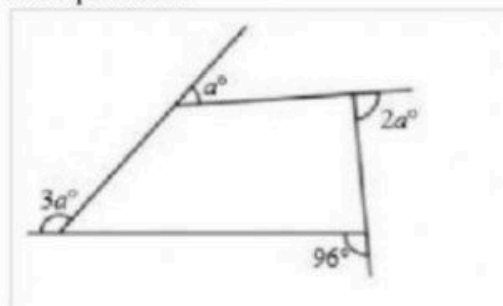
area of the original signage =  $3 \times 1.2 = 3.6$

area of new signage =  $9 \times 3.6 = 32.4$

Compare of new signage bigger than original =  $32.4 \div 3.6 = 9$

New signage is 9 times bigger than original

2. a) The diagram below show an equilateral.



Calculate the value of a.

(2 marks/markah)

Answer/Jawapan:

$$3a + a + 2a + 96 = 360$$

$$a = 48$$

2.b) Table shows the age of 20 visitors at the National Museum. Complete the frequency table below.

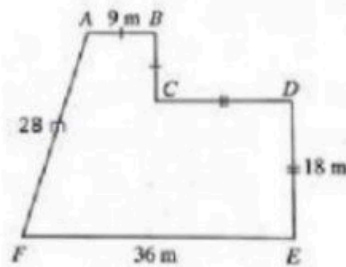
18	28	18	16	33	24	32
18	23	30	19	6	24	34
26	35	22	16	27	13	

(2 marks/markah)

Answer/Jawapan:

Age (year)	Frequency
6 - 10	1
11 - 15	
16 - 20	
21 - 25	
26 - 30	
31 - 35	

3. a) The diagram shows a polygon ABCDEF



- Determine the number of side of the polygon
- Determine the name of the polygon
- Determine the perimeter of the polygon

Answer :

3.a)i.

3.b)ii.

3. c)iii. perimeter = + + + + + =

4. In a telematch, students must take one card that has the letters S, U, R, A, T from a basket.

- a) List the elements in the sample space.
- b) List the elements in the sample space for the event, if
  - i) consonant are chosen
  - ii) vowel are chosen

(3 marks/markah)

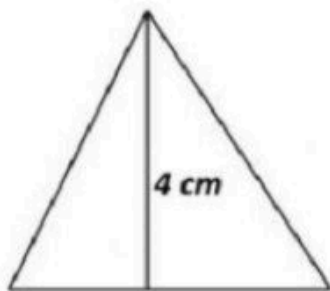
Answer/Jawapan:

a) { S, U, R, A, T }

b) i) { S, R, T } FROM

b) ii) { U, A } alManahj.com/us

5.



$(2pq + 3q^2 - 1) \text{ cm}$

Rajah 2 (c)

Diagram 2 (c)

- a) Nyatakan luas segi tiga pada Rajah 2 (c) dalam sebutan  $p$  dan  $q$ .

State the area of the triangle of Diagram 2 (c) in terms of  $p$  and  $q$ .

= \_\_\_\_\_ x \_\_\_\_\_ x ( \_\_\_\_\_ + \_\_\_\_\_ - \_\_\_\_\_ )

=

- b) Diberi  $p = 5$  dan  $q = 2$ , hitung luas segi tiga di atas.  
Given that  $p = 5$  and  $q = 2$ , calculate the area of the triangle above.

[2 markah/marks]

Jawapan/Answer :

Area of triangle

= ( \_\_\_\_\_ ) ( \_\_\_\_\_ ) + ( \_\_\_\_\_ ) - \_\_\_\_\_

=

c) Permudahkan/ *simplify* :

$$\frac{x-y}{b} \div \frac{x^2-y^2}{ab+b^2}$$

Jawapan/ *answer*:

[4 markah]

= \_\_\_\_\_ x \_\_\_\_\_

= \_\_\_\_\_ x  $\frac{(\quad)}{(\quad)}$

= \_\_\_\_\_  $\frac{(\quad + \quad)(\quad - \quad)}{(\quad)}$

= \_\_\_\_\_

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