

FORM 3 REVISION (LEVEL 5 AND 6)

Click at the right answer:

1. Given $6^{2a} = 5$ and $6^b = 6$. Find the value of 6^{4a-b+2}

432

30

150

60

2. A rectangular floor measures 12 m x 6.5 m is covered with tiles. If each tile is a square of side 15 cm, calculate the number of tiles required to cover the floor. Express your answer in standard form correct to two significant figures.

1.17×10^3

3.5×10^3

1.76×10^5

3.21×10^{-5}

3. Let's say you have RM8 000 in a saving account with interest rate of 2% per annum and a credit card debt of RM 4000 with an interest rate 18% per annum. What is your sum of money after 5 years?

Still owes RM 940. 23

Still owes RM 250.55

RM 888.44

RM 33.55

4.

The diagram 1 shows the scale drawing of a floor plan of a house. Room A measures 12m x 20m. if the construction cost of this house is RM 80 per m², calculate the cost needed.

RM 22 080

RM 107 520

RM 6720

RM 122 880

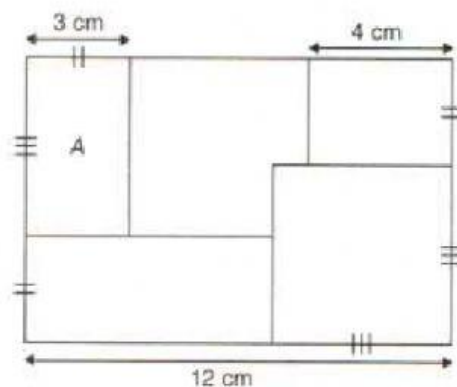
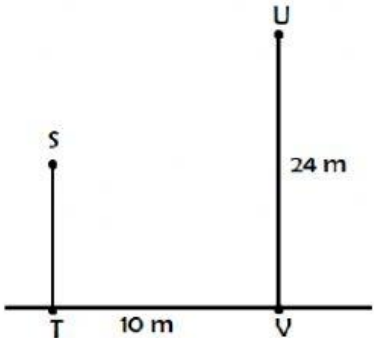
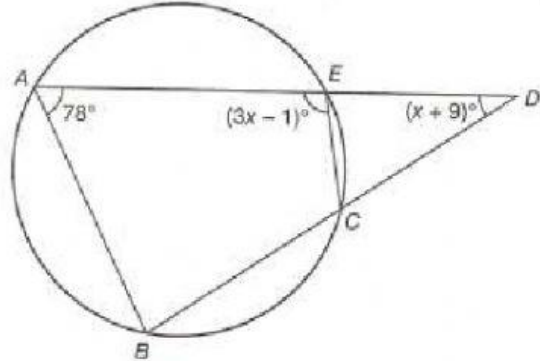


Diagram 1

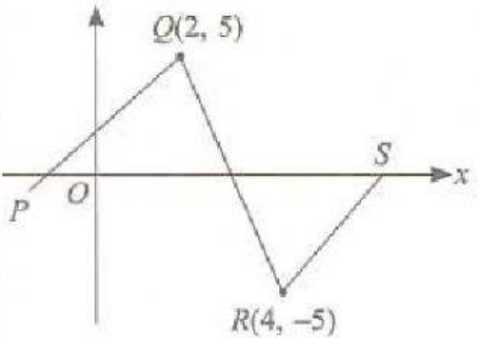
5. In the diagram 2, ST and UV are two vertical pillars. ST and UV are two vertical pillars on horizontal ground

 Diagram 2	The angle of elevation of U from S is 40°. Find in height, in m, of pillar ST <table> <tr> <td>16.34</td> <td>26</td> </tr> <tr> <td>21.82</td> <td>15.61</td> </tr> </table>	16.34	26	21.82	15.61
16.34	26				
21.82	15.61				

6. In diagram 3, BCD and AED are straight lines.

 Diagram 3	Find the value of x <table> <tr> <td>34°</td> <td>26°</td> </tr> <tr> <td>44°</td> <td>171°</td> </tr> </table>	34°	26°	44°	171°
34°	26°				
44°	171°				

7. In diagram 4, O is the origin. Given that the straight lines PQ and RS are parallel and the equation of straight line PQ is $9x + 3y = 8$.

 Diagram 4	Find x – intercept of the straight line RS <table> <tr> <td>3</td> <td>14</td> </tr> <tr> <td>$-\frac{14}{3}$</td> <td>$-\frac{3}{14}$</td> </tr> </table>	3	14	$-\frac{14}{3}$	$-\frac{3}{14}$
3	14				
$-\frac{14}{3}$	$-\frac{3}{14}$				