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 m^2, calculate the cost needed.

RM 22 080	RM 107 520
RM 6720	RM 122 880

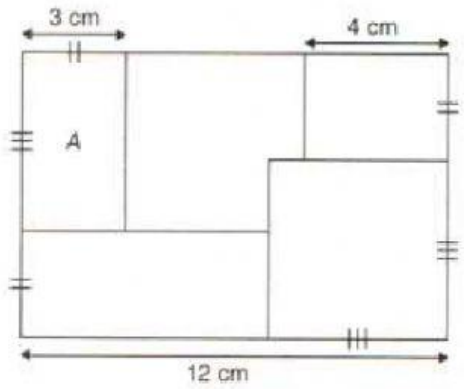

Diagram 1

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

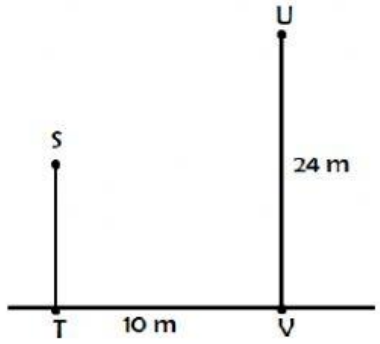

Diagram 2

The angle of elevation of U from S is 40°. Find in height, in m, of pillar ST

16.34	26
21.82	15.61

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

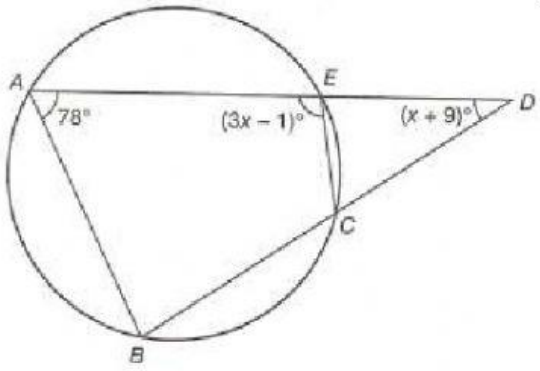

Diagram 3

Find the value of x

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.

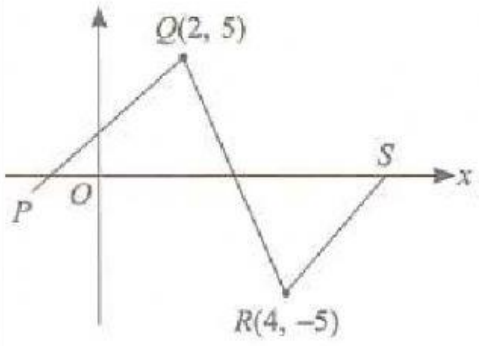

Diagram 4

Find x – intercept of the straight line RS

3	14
$-\frac{14}{3}$	$-\frac{3}{14}$