QUESTION 1 — 4 Marks

Solve the following equation:

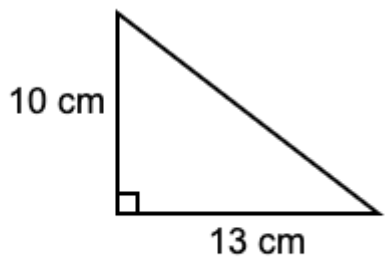
$$3(3s - 3) - 4(s - 3) = 28$$

QUESTION 2 — 1 Mark

Find the MODE of the following numbers: 1, 1, 2, 5, 7, 7, 7, 7, 7, 9

QUESTION 3 — 2 Marks

Calculate the area of the shape below



QUESTION 4 — 2 Marks

Write an expression for the following: e is multiplied by 8 and then 2 is added. The result is squared.

QUESTION 5 — 2 Marks

Find the rule connecting the variables in the table below:

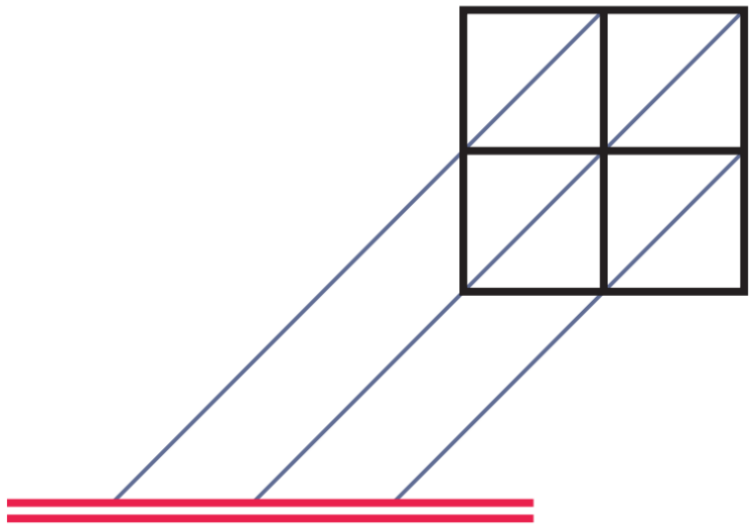
x	2	4	6	8
y	8	12	16	20

QUESTION 6 — 1 Mark

Write the following in index form: 3 x 3 x 3 x 3

QUESTION 7 — 3 Marks

Calculate the product of 5.6 and 2.7



QUESTION 8 — 2 Marks

Calculate 5479 - 1251

QUESTION 9 — 2 Marks

$\frac{2}{5} \times \frac{1}{4}$

QUESTION 10 — 4 Marks

Use the following rule:

$$y = 4x + 6$$

to find the missing values.

x	2	3	4	5
y				

ANSWERS

1) 5 2) 7 3) 65 cm^2 4) $(8e + 2)^2$ 5) $y = 2x + 4$ 6) 3^4 7) 15.12 8) 4228 9) $\frac{1}{10}$

10) 14, 18, 22, 26