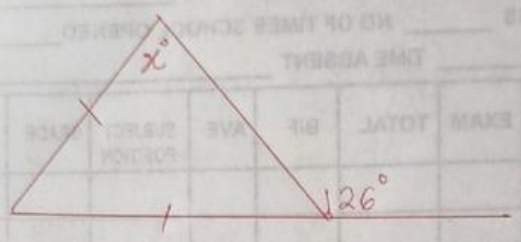
MATH

Review of Work

① Find the value of x in the diagram below



$x =$

② If $25^{(2x+4)} = 5^{2x}$

$x =$

③ If $a = 5$, $b = 4$ and $c = 7$; Find the value of $\frac{2ab}{bc - ac}$

Ans =

④ Calculate the sum to infinity of a geometric progression if the first term is 5 and the common ratio is 0.5

$S_\infty =$

⑤ The bearing of S35°W can also be written as _____

⑥ Simplify $\left(\frac{3}{4} - \frac{2}{5}\right) \times \left(\frac{1}{2} \div \frac{4}{5}\right)$

Ans = _____

⑦ The population of a school is 900. If this ~~there are~~ is represented on a bar chart find the sectoral angle of 45 students.

Ans = .

LIVEWORKSHEETS

(8) If the curved surface area of a cylinder is $440 cm^2$. If the height is 5cm. Find the radius.

$r =$

(9) The mark of 12 students in a math test are 7, 8, 12, 10, 5, 8, 7, 7, 11, 13, 15 and 7

a. Find the mean (1 d.p) =

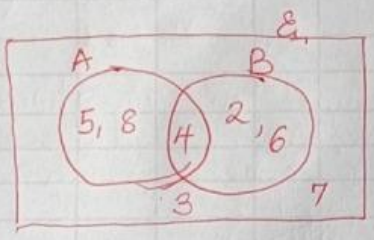
b. Find the mode =

c. Find the range =

(10) Express 0.01584 correct to 2 S.f

Ans =

(11)



Find $A' \cap B = \{ \quad \}$

(12) Find the gradient of the line joining (5,-4) and (7, 2)

$m =$

(13) Find the equation of the line that pass through (4, 3) and (6, 11)

$y = \square x + \square$

(14) A variable x varies inversely as the cube of y. If $x = 3$ where $y = 2$. Find x when $y = \frac{1}{2}$

$x =$

(15) What is the gradient of $8x + 4y - 12 = 0$

$y = \square x + \square$

LIVEWORKSHEETS

(16) Factorize $x^2 - x - 20$

Ans = ( )( )

(17) Town A and B are located at point (-4, 6) and (4, 8). Find the distance between them correct to 1 d.p

=

(18) From a point M, a man moves 14km due west and then moves 9km due South. Calculate the distance from the starting point correct to 2 d.p

Ans =

(19) Given that $35_6 = 12_x$ Find x

$x =$

(20) Simplify $\sqrt{300} - \sqrt{27}$

Ans =

LIVEWORKSHEETS