



3rd CHECK POINT 2024

Name: _____ Grade: VII Subject: Mathematics. /25

Q1 (a): Multiple Choice Questions.

/5

1. $5x = 25$
a. 5 b. 1 c. -5 d. 25
2. X axis is a _____ line.
a. Horizontal b. Vertical c. both d. constant
3. Y axis is a _____ line.
a. Horizontal b. Vertical c. both d. constant
4. X-axis is always be _____.
a. Rest position b. 0 c. both a and b d. constant
5. Y-axis is always be _____.
a. Infinity b. undefined c. both a and b d. finite

Q1 (b): Multiple Choice Questions.

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- (i) The equation of straight line is in the form of _____.
- (ii) $Y = mx + c$ where the constant m is the _____.
- (iii) The slope upwards from left to right is _____ gradient.
- (iv) The slope downwards from left to right is _____ gradient.
- (v) Vowels in the word "MATHEMATICS" is _____.

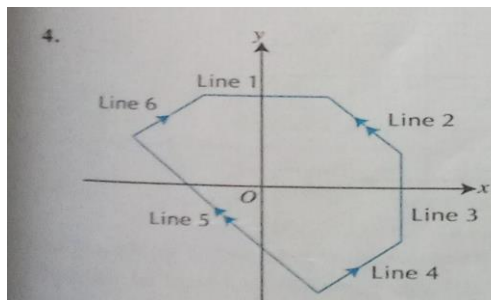
Q2: Expand and simplify each of the following expression.

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- (i) Using the elimination method, solved each of the following pairs of simultaneous equations.
a. $x + y = 16$
 $x - y = 0$

Q3:

/4



4. In the figure, Line 1 is parallel to the x -axis and Line 3 is parallel to the y -axis. Line 2 is parallel to Line 5 and Line 4 is parallel to Line 6. If the gradients of Line 5 and Line 6 are -3 and $\frac{1}{2}$ respectively, write down the gradients of Line 1, Line 2, Line 3 and Line 4.

Q4:

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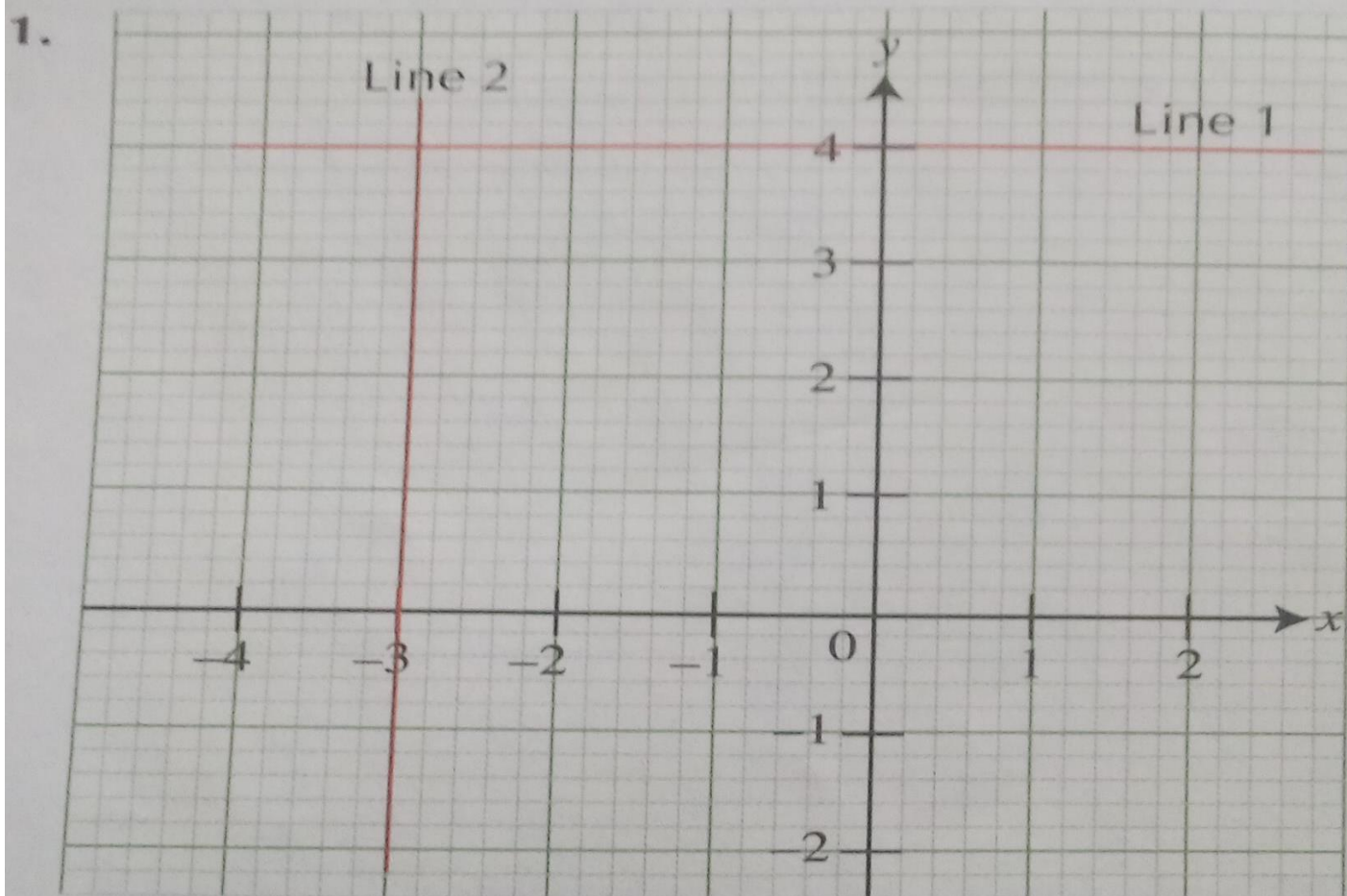
1. The graph shows Khairul's journey when he visited a friend in Town C. During the journey, he stopped for breakfast at a cafeteria, after which he continued to drive to Town C.



- (a) At what time did he leave home?
 (b) How far did he travel before he reached the cafeteria?
 (c) Find the gradient of each of the following line segments, stating clearly what each gradient represents.
 (i) OA (ii) AB (iii) BC

Q5:

/3



Write down the gradient of each of the given lines.