

ANSWER ALL QUESTIONS.

1. T is the translation represented by the column vector $\begin{pmatrix} 3 \\ -2 \end{pmatrix}$.

Find the image of P(-3, 1) m Q(-1, 1) and R(-2, 3) under the transformation T.

Plot the object and the image on the same graph.

2. For $-3 \leq x \leq 3$ draw the graph of $y = 2x^2 - 3x - 5$.

Use you graph to solve these equations;

a) $2x^2 - 3x - 5 = 0$

b) $2x^2 - 3x - 5 = -2$

3. Consider the marks obtained by 30 pupils in a class of mathematics in quiz out of the possible highest marks of 10.

6, 7, 9, 2, 4, 6, 7, 8, 5, 6, 8, 6, 4, 6, 8,

7, 8, 5, 6, 7, 8, 7, 5, 3, 6, 7, 8, 9, 4, 2

a) Prepare a frequency distribution table using the tally chart.

b) What is (i) the mean (ii) the mode of the data

END GOD BLESS U!