

BOT TERM II EXAMS

S.2 MATHEMATICS

TIME: 1 HOUR

INSTRUCTIONS

- Answer all questions.

1. (a) Find the equation a line which passes through points A (2, 1), B (-1, 0).
(b) Find the x and y – intercepts of the following lines
 - (i) $y = 4x - 1$
 - (ii) $2y = 5x + 3$ (10 marks)
2. Find the image of $\triangle ABC$ where A (1, 1), B (5, 1) and c (3, 3) under the transformation enlargement S.F.2 through the centre O (3, -1). (7 marks)
3. Triangle $A^1B^1C^1$ with coordinates A^1 (1, 2), B^1 (5, 5), C^1 (5, 2) is the image of ABC after a translation T_1 (2, -1).
 - (i) Find the coordinates of A, B and C.
 - (ii) If $A^1B^1C^1$ undergoes T_2 (0, 4), find the coordinates of $A^{11}B^{11}C^{11}$.

END

TRINITY COLLEGE NABBINGO

BEGINNING OF TERM II EXAMINATIONS 2013

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 - (iii) Find the coordinates of A, B and C.
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