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St Nicholas College Boys Secondary Naxxar
Half-Yearly Examinations February 2016

Track
2

FORM 3

MATHEMATICS
Non-Calculator Paper

TIME: 30 minutes

Question	1	2	3	4	5	6	7	8	9	Total
Mark										

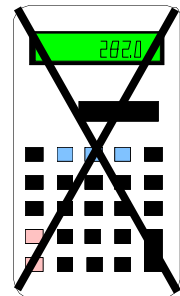
DO NOT WRITE ABOVE THIS LINE

NAME: _____ CLASS: _____

INSTRUCTIONS TO CANDIDATES:

Read all the questions carefully before you start answering.

- Answer all questions.
- This paper carries 25 marks.
- **Calculators, protractors** and other mathematical instruments are **NOT ALLOWED**.



6. a) i) Change $2\frac{2}{3}$ to an **improper fraction**:

Answer: _____

ii) Change $\frac{11}{4}$ to a **mixed fraction**:

Answer: _____

b) **Work out:**

i) $\frac{4}{5} - \frac{2}{3}$

ii) $\frac{5}{9} \times \frac{3}{15}$

Answer: _____

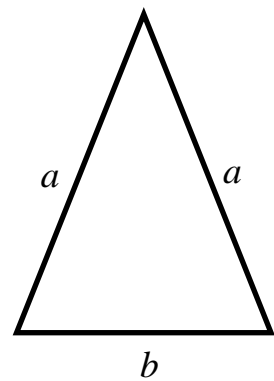
Answer: _____

(5 marks)

7. The perimeter P of this triangle can be written as:

$$P = 2a + b$$

Make a the **subject of the formula**.



$a =$ _____

(2 marks)

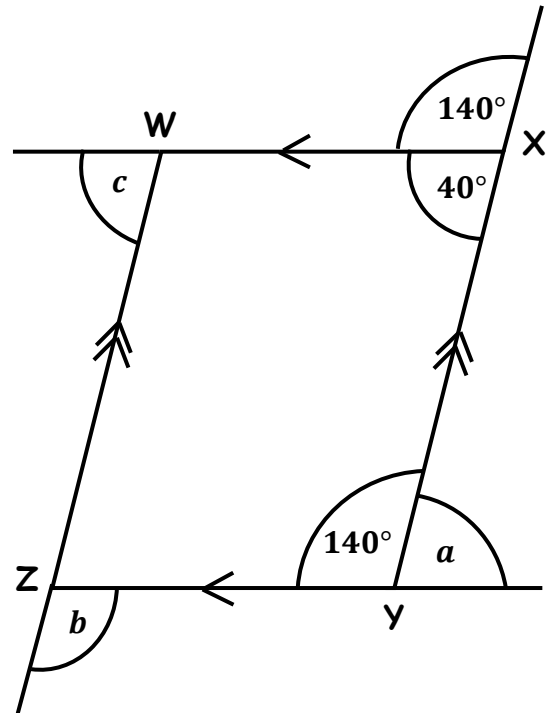
8. WXYZ is a parallelogram.

a) Write down the size of these angles:

$$\hat{a} = \underline{\hspace{2cm}}^\circ$$

$$\hat{b} = \underline{\hspace{2cm}}^\circ$$

$$\hat{c} = \underline{\hspace{2cm}}^\circ$$



b) Adding the **exterior angles** of this parallelogram gives:

$$140^\circ + \square + \square + \square = \square$$

(4 marks)

9. James watches TV from 3:20 p.m. till 5:15 p.m. He then reads a book. Afterwards, James watches a football match on TV which starts at 8:45 p.m. and ends at 10:30 p.m.

How many **hours and minutes** does James spend watching TV?

Answer: _____ hours _____ minutes

(4 marks)

END OF NON CALCULATOR PAPER