

**SECTION A(1) (35 marks)**

1. Simplify  $\frac{(x^{-7})^{-8}}{x^2y^5}$  and express your answer with positive indices. (3 marks)

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2. Make  $k$  the subject of the formula  $6k = \frac{3k - 9x}{y}$ . (3 marks)

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3. Factorize

(a)  $10m^2 + mn - 3n^2$  ,

(b)  $10m^2 + mn - 3n^2 - 45m - 27n$  .

(3 marks)

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Answers written in the margins will not be marked.

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