

## Worksheet: Binomial Theorem

Uttar Pradesh State Board · Class 11 · Mathematics · 3 questions · 12 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 12

**Q1.** Expand  $(x + 2)^5$  using the Binomial Theorem. [2 marks]

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**Q2.** Find the 5th term in the expansion of  $(2x - 3y)^8$  [4 marks]

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**Q3.** Find the middle term(s) in the expansion of  $(x/2 + 3/x)^{10}$  [6 marks]

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