

## Worksheet: Introduction to Three-Dimensional Geometry

Karnataka State Board · Class 11 · Mathematics · 3 questions · 12 marks

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

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

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

**Q1.** Find the distance between the points A(1, 2, 3) and B(4, 6, 3). [2 marks]

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**Q2.** Find the coordinates of the point that divides the line segment joining A(1, 2, 3) and B(3, 4, 5) internally in the ratio 2:3. [4 marks]

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**Q3.** Show that the points A(1, 2, 3), B(1, 2, 1), C(2, 3, 2) are vertices of a triangle and find which type by computing all three side lengths. [6 marks]

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