

Worksheet: Introduction to Three-Dimensional Geometry

IB · 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]*

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]*

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]*
