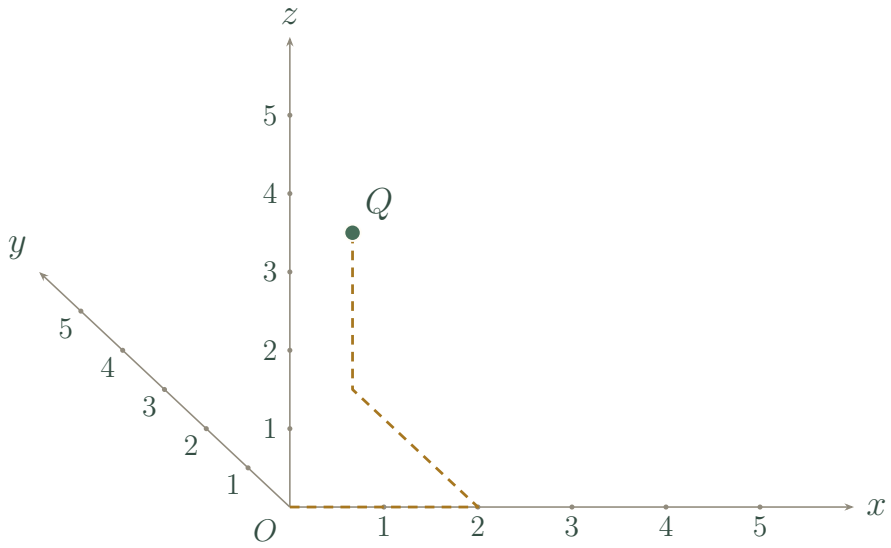
Practice worksheet | Coordinates and three-dimensional space

Interpreting 3D axes

Name: _____ Date: _____

6 questions | 12 marks

1. State Q's coordinates from the labelled diagram. [2 marks]



2. From $(1, 2, 3)$, move parallel to x until $x = 4$. State the new position. [2 marks]

3. Find the floor projection of $(5, 1, 4)$. [2 marks]

4. A point is on the y-axis with $y = 4$. Write its coordinates. [2 marks]

5. Can you read an exact point from an unlabelled 3D sketch with no scale? Explain. [2 marks]

6. A construction reaches $(3, 0, 0)$, then $(3, 2, 0)$, then $(3, 2, 4)$. Name the direction of each leg. [2 marks]