Practice worksheet | Coordinates and three-dimensional space

Comparing diagrams, views and digital representations

Name: _____ Date: _____

6 questions | 12 marks

1. Find the front view of (1,4,2), where front shows x,z. [2 marks]

2. Find the side view of (3,2,5), where side shows y,z. [2 marks]

3. Find the top view of (4,1,3), where top shows x,y. [2 marks]

4. Front view on x,z is (2,4); top view on x,y is (2,3). Find the triple. [2 marks]

5. Do A(2,1,3) and B(2,5,3) overlap in a front view on x,z? Explain. [2 marks]

6. A digital model is rotated on screen. Its coordinate axes rotate with it. Must a stored point’s coordinate triple change? Explain. [2 marks]