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]