Practice worksheet | Coordinates and three-dimensional space

Identifying positions using three coordinates

Name: _____ Date: _____

6 questions | 12 marks

1. Read the x-, y- and z-coordinates of $(2, 5, 1)$. [2 marks]

2. A drone is 4 units across, 2 units back and 3 units high. Write its position as (x, y, z). [2 marks]

3. Which is on the floor $z = 0$: $A(1, 0, 2)$, $B(3, 4, 0)$ or $C(0, 2, 1)$? [2 marks]

4. Describe $(-2, 1, 3)$ using the positive axis directions as reference. [2 marks]

5. Are $(2, 3, 4)$ and $(2, 4, 3)$ the same point? Explain. [2 marks]

6. Which axis contains $(0, 0, 5)$? [2 marks]