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]