Practice worksheet | 3D shapes and transformations

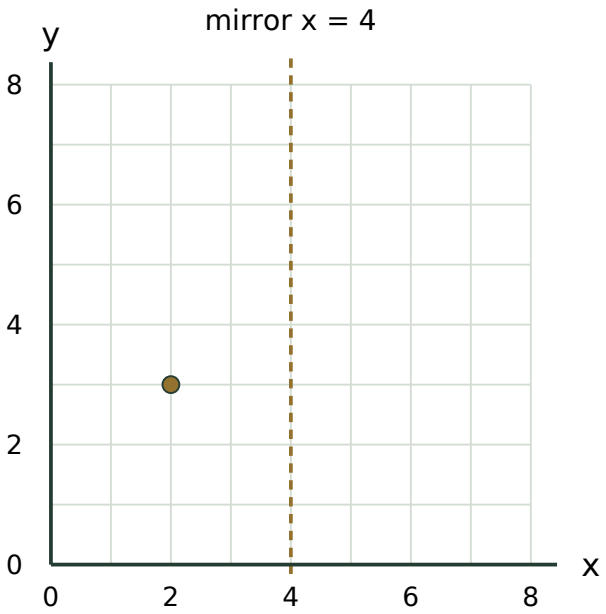
Combined transformations

Name: _____ Date: _____

6 questions | 13 marks

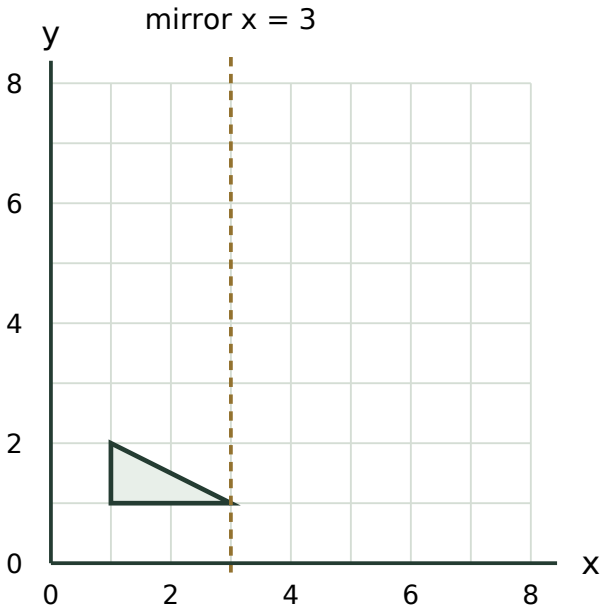
1. Move point (1,2) 3 units right and 2 units up. Give its new coordinates. [1 mark]

2. Reflect point (2,3) in the vertical line x = 4. Give its image. [2 marks]



3. Rotate point (5,4) 90° anticlockwise about (4,4). Give the new point. [2 marks]

4. Triangle vertices are (1,1), (3,1), (1,2). Slide 2 right and 1 up, then reflect in x = 3. Plot the final triangle. [3 marks]



5. Start at (1,1). Plan A reflects in x = 3 then slides 2 right and 1 up. Plan B slides first, then reflects in x = 3. Find both final points. [3 marks]

6. A triangle is reflected and then rotated. Name two measurements that remain unchanged. [2 marks]