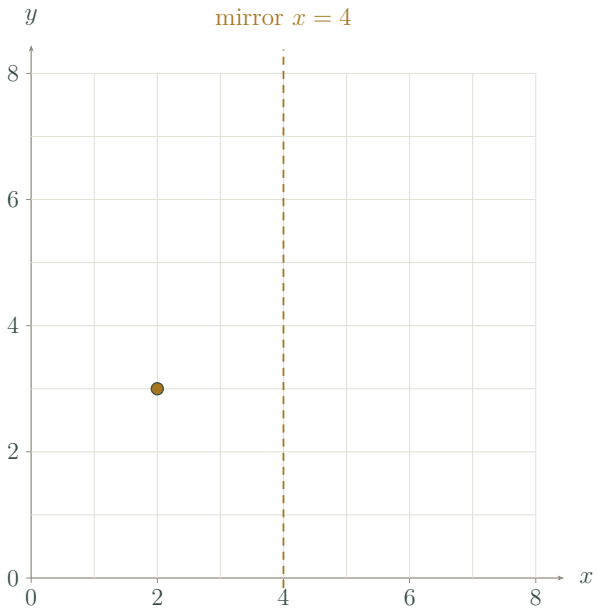
Combined transformations

Name: _____ Date: _____

6 questions | 13 marks

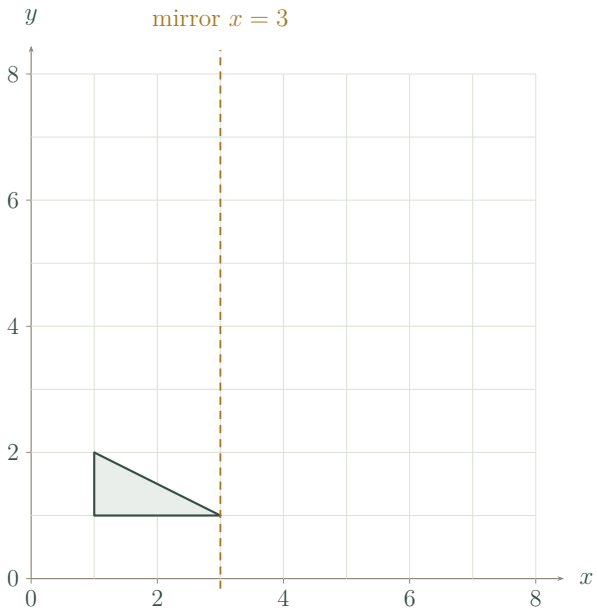
1. Move point $(1, 2)$ 3 units right and 2 units up. Give its new coordinates. [1 mark]

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]