Practice worksheet | Coordinates and transformations

Symmetry and transformations

Name: _____ Date: _____

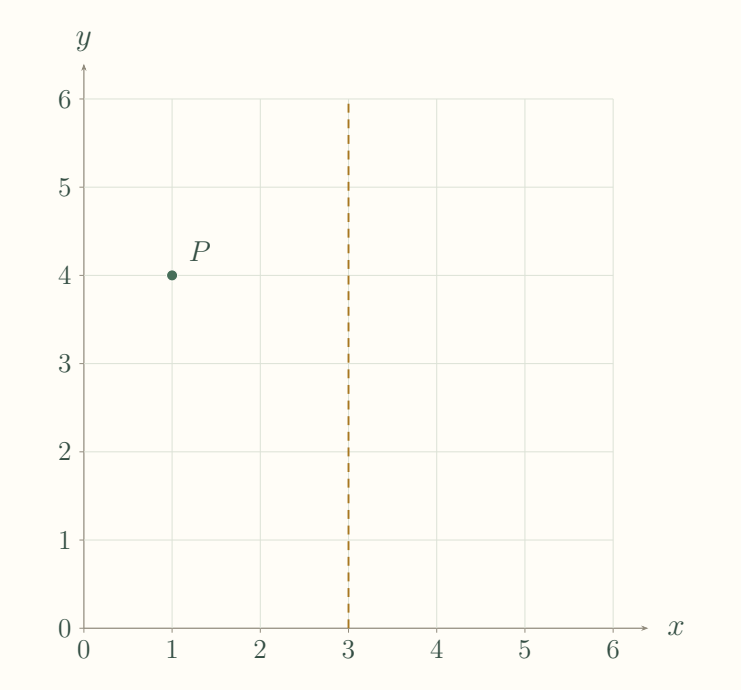
6 questions | 9 marks

1. How many lines of symmetry does a non-square rectangle have? [1 mark]

2. Does a square match itself after a quarter turn about its centre? [1 mark]

3. Does a non-square rectangle match itself after a half turn about its centre? [1 mark]

4. A shape is symmetric across $x = 3$. One vertex is at $(1, 4)$. Where is its matching vertex? [2 marks]



5. An isosceles triangle has two equal sloping sides and a different-length base. Describe its one line of symmetry. [2 marks]

6. Leah calls the diagonal of a non-square rectangle a mirror line because it cuts the area in half. Explain the mistake. [2 marks]