Practice worksheet | Coordinates and transformations

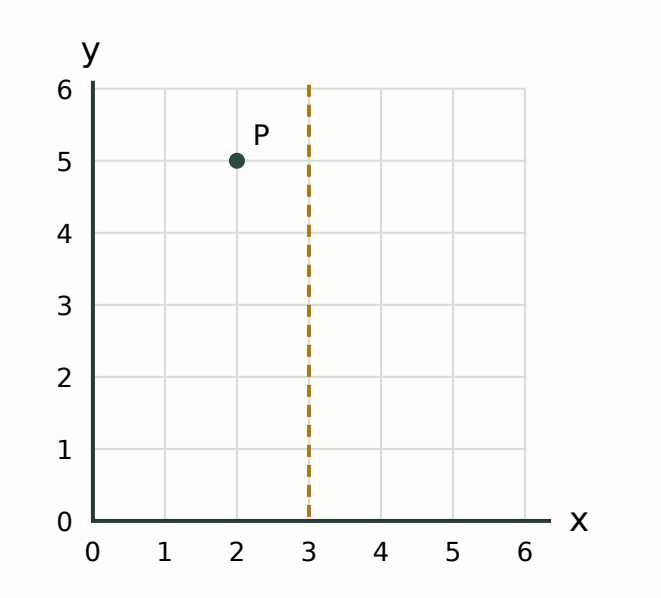
Translations/reflections/rotations

Name: _____ Date: _____

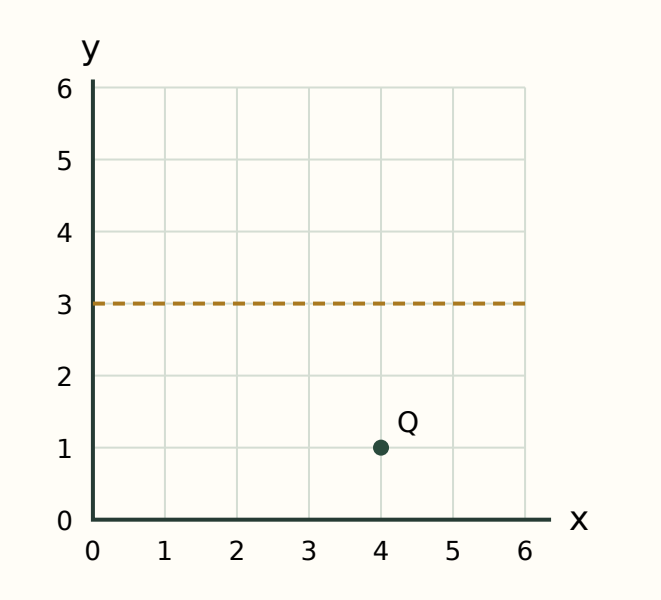
6 questions | 10 marks

1. Translate P(2, 3) by 3 right and 1 down. [1 mark]

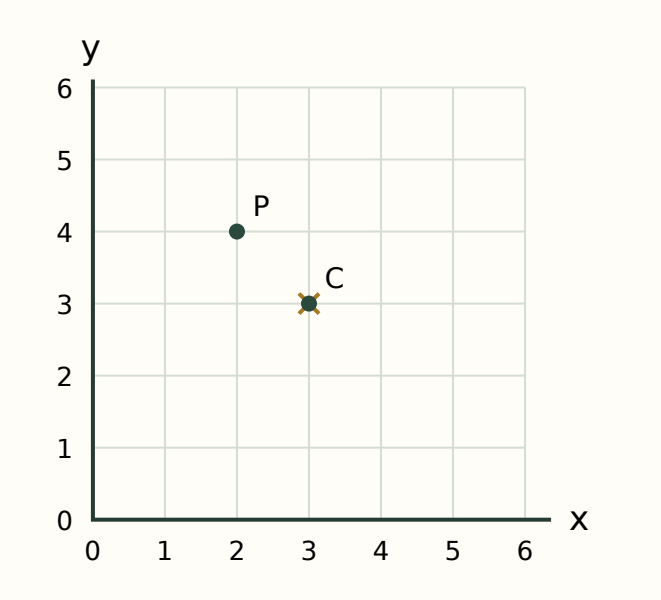
2. Reflect P(2, 5) across x = 3. Give its image coordinates. [1 mark]



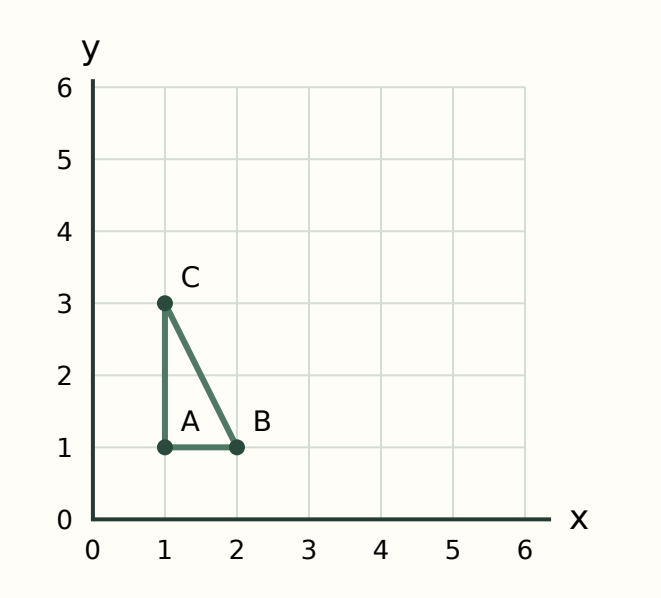
3. Reflect Q(4, 1) across y = 3. Give its image coordinates. [1 mark]



4. Rotate P(2, 4) a quarter turn clockwise about C(3, 3). Find its image. [2 marks]



5. Translate A(1,1), B(2,1), C(1,3) by 1 right and 2 up. Give all image coordinates. [3 marks]



6. A pupil moves two triangle corners 2 right but the third corner 3 right. Is this a translation of the whole triangle? Explain. [2 marks]