Practice worksheet | Geometry and transformations

Enlargements using coordinates/digital geometry

Name: _____ Date: _____

6 questions | 15 marks

1. Enlarge P(2,−3) by factor 2 from the origin. [2 marks]

2. Enlarge Q(−6,4) by factor 1/2 from the origin. [2 marks]

3. Enlarge A(1,0), B(3,0), C(1,2) by factor 3 from the origin. [3 marks]

4. Centre C is (1,−1). Enlarge P(3,2) by factor 2. [3 marks]

5. An enlargement from the origin maps (2,3) to (6,9). Find k. [2 marks]

6. A student maps (3,1) to (5,3) and calls it factor 2 from the origin. Give the correct image and describe the student’s movement. [3 marks]