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 $\frac{1}{2}$ 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]