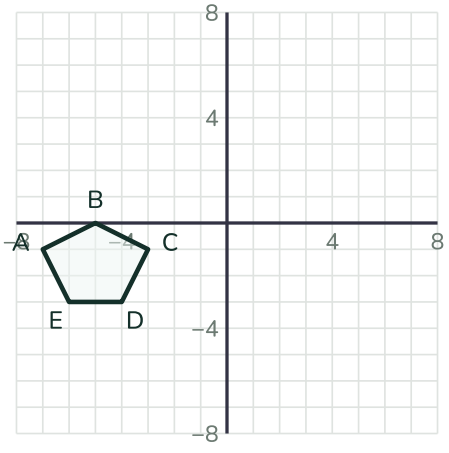
Transformations · Grade 8 · 1

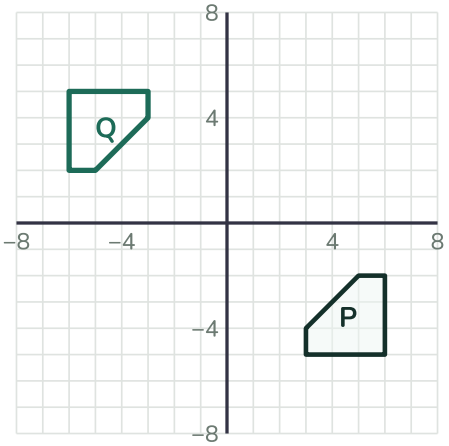
Name _____ Date _____ Score _____ / 3

01 Reflect pentagon ABCDE over the y-axis. Then reflect the image pentagon A'B'C'D'E' over the x-axis.



a) Draw the image.

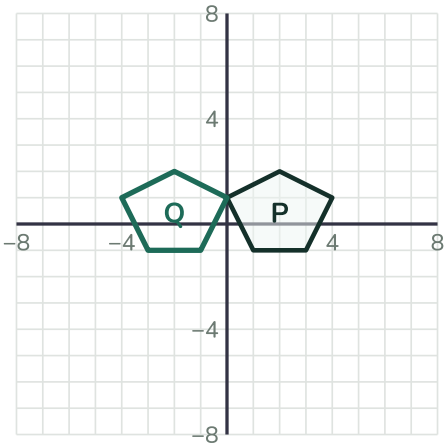
b) Write A", B", C", D" and E". _____



02 Shape Q is the image of shape P after one move. Is Q congruent to P, or similar but not congruent? Explain. _____

Transformations · Grade 8 · 2

Name _____ Date _____ Score _____ / 2



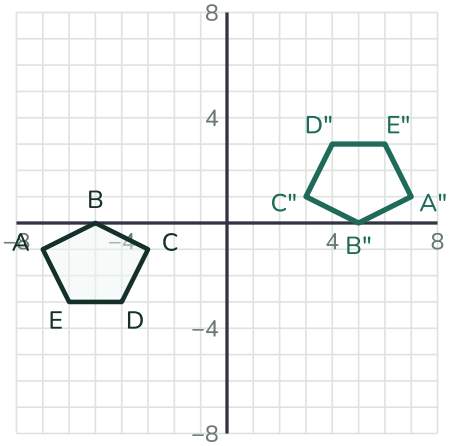
01 Shape Q is the image of shape P after one move. Is Q congruent to P, or similar but not congruent? Explain.

02

Quadrilateral ABCD has A(1, 4), B(1, 1), C(3, 1) and D(3, 4). Apply (x, y) → (x, −y). Write A', B', C' and D'.

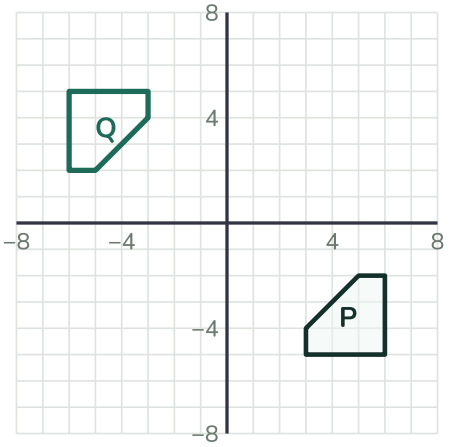
Transformations · Grade 8 · 1 (Answer Key)

01 Reflect pentagon ABCDE over the y-axis. Then reflect the image pentagon A'B'C'D'E' over the x-axis.



a) Draw the image. **See the drawing.**

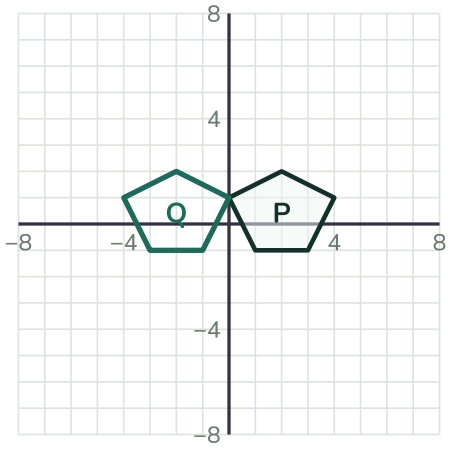
b) Write A", B", C", D" and E". **A"(7, 1), B"(5, 0), C"(3, 1), D"(4, 3), E"(6, 3)**



02 Shape Q is the image of shape P after one move. Is Q congruent to P, or similar but not congruent? Explain.

Congruent: a rotation keeps every length and angle the same.

Transformations · Grade 8 · 2 (Answer Key)



01 Shape Q is the image of shape P after one move. Is Q congruent to P, or similar but not congruent? Explain.

Congruent: a reflection keeps every length and angle the same.

02

Quadrilateral ABCD has A(1, 4), B(1, 1), C(3, 1) and D(3, 4). Apply (x, y) → (x, −y). Write A', B', C' and D'.

A'(1, −4), B'(1, −1), C'(3, −1), D'(3, −4)