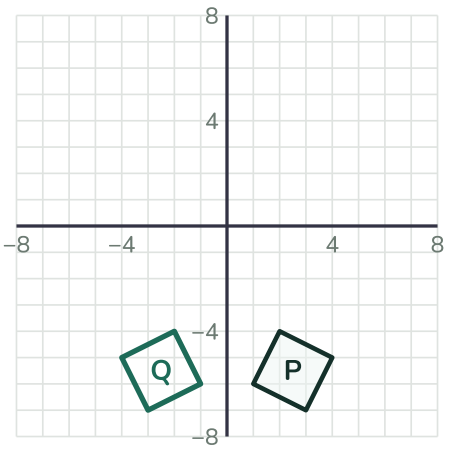
Transformations · Grade 7 · 1

Name _____ Date _____ Score _____ / 2

01

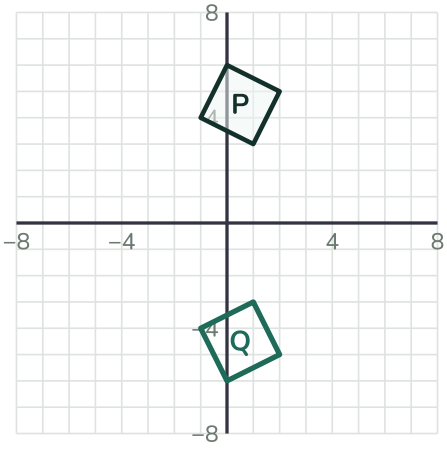
Pentagon ABCDE has A(2, −2), B(−2, 0), C(−6, −2), D(−4, −6) and E(0, −6). Apply (x, y) → (½x, ½y). Write A', B', C', D' and E'.



02 Describe the single move that takes shape P to shape Q.

Transformations · Grade 7 · 2

Name _____ Date _____ Score _____ / 2



01 Describe the single move that takes shape P to shape Q.

02

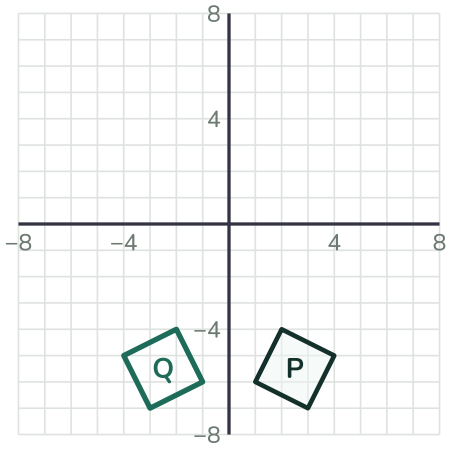
Pentagon ABCDE has A(6, 6), B(6, 0), C(4, 0), D(0, 4) and E(0, 6). Apply (x, y) → (½x, ½y). Write A', B', C', D' and E'.

Transformations · Grade 7 · 1 (Answer Key)

01

Pentagon ABCDE has A(2, −2), B(−2, 0), C(−6, −2), D(−4, −6) and E(0, −6). Apply (x, y) → (½x, ½y). Write A', B', C', D' and E'.

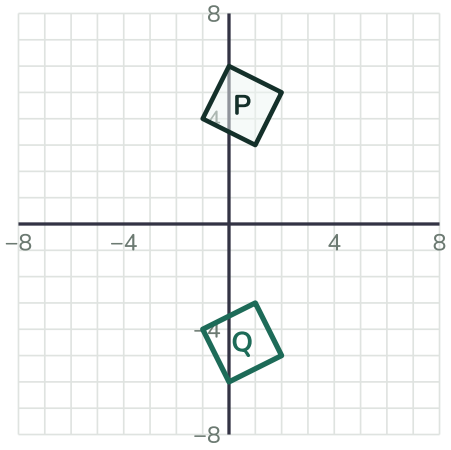
A'(1, −1), B'(−1, 0), C'(−3, −1), D'(−2, −3), E'(0, −3)



02 Describe the single move that takes shape P to shape Q.

reflection over the y-axis

Transformations · Grade 7 · 2 (Answer Key)



01 Describe the single move that takes shape P to shape Q.

reflection over the x-axis

02

Pentagon ABCDE has A(6, 6), B(6, 0), C(4, 0), D(0, 4) and E(0, 6). Apply (x, y) → (½x, ½y). Write A', B', C', D' and E'.

A'(3, 3), B'(3, 0), C'(2, 0), D'(0, 2), E'(0, 3)