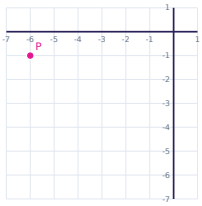
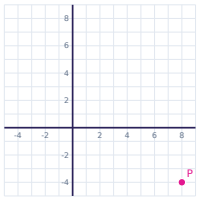
Transformations on the Coordinate Plane · 1

Translate point P(-6, -1) using the rule (x, y) → (x + 7, y + 5).



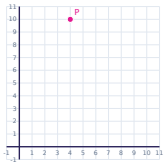
Transformations on the Coordinate Plane · 2

Translate point P(8, -4) using the rule (x, y) → (x - 9, y - 1).



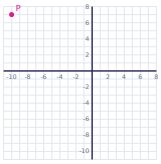
Transformations on the Coordinate Plane · 3

Rotate point P(4, 10) 180° about the origin.



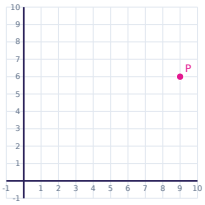
Transformations on the Coordinate Plane · 4

Rotate point P(-10, 7) 180° about the origin.



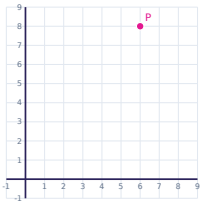
Transformations on the Coordinate Plane · 5

Translate point P(9, 6) using the rule (x, y) → (x + 7, y + 5).



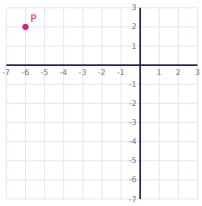
Transformations on the Coordinate Plane · 6

Translate point P(6, 8) using the rule (x, y) → (x + 2, y - 8).



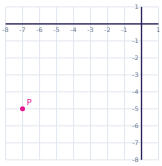
Transformations on the Coordinate Plane · 7

Rotate point P(-6, 2) 90° counterclockwise about the origin.



Transformations on the Coordinate Plane · 8

Reflect point P(-7, -5) over the x-axis.



Transformations on the Coordinate Plane · 2

ANSWER

(-1, -5)

Transformations on the Coordinate Plane · 1

ANSWER

(1, 4)

Transformations on the Coordinate Plane · 4

ANSWER

(10, -7)

Transformations on the Coordinate Plane · 3

ANSWER

(-4, -10)

Transformations on the Coordinate Plane · 6

ANSWER

(8, 0)

Transformations on the Coordinate Plane · 5

ANSWER

(16, 11)

Transformations on the Coordinate Plane · 8

ANSWER

(-7, 5)

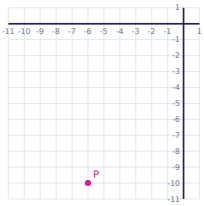
Transformations on the Coordinate Plane · 7

ANSWER

(-2, -6)

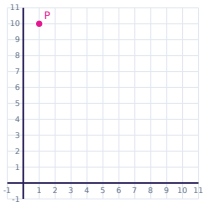
Transformations on the Coordinate Plane · 9

Rotate point P(-6, -10) 90° counterclockwise about the origin.



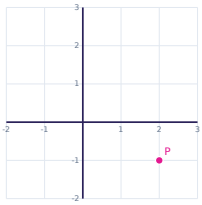
Transformations on the Coordinate Plane · 10

Rotate point P(1, 10) 90° counterclockwise about the origin.



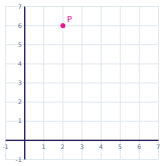
Transformations on the Coordinate Plane · 11

Rotate point P(2, -1) 90° counterclockwise about the origin.



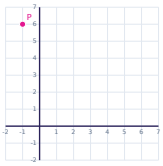
Transformations on the Coordinate Plane · 12

Rotate point P(2, 6) 180° about the origin.



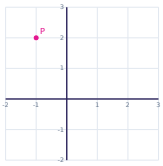
Transformations on the Coordinate Plane · 13

Reflect point P(-1, 6) over the y-axis.



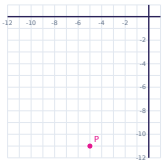
Transformations on the Coordinate Plane · 14

Reflect point P(-1, 2) over the x-axis.



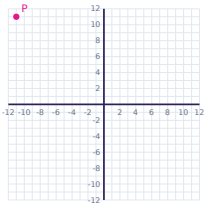
Transformations on the Coordinate Plane · 15

Reflect point P(-5, -11) over the x-axis.



Transformations on the Coordinate Plane · 16

Translate point P(-11, 11) using the rule (x, y) → (x + 2, y + 9).



Transformations on the Coordinate Plane · 10

ANSWER

(-10, 1)

Transformations on the Coordinate Plane · 9

ANSWER

(10, -6)

Transformations on the Coordinate Plane · 12

ANSWER

(-2, -6)

Transformations on the Coordinate Plane · 11

ANSWER

(1, 2)

Transformations on the Coordinate Plane · 14

ANSWER

(-1, -2)

Transformations on the Coordinate Plane · 13

ANSWER

(1, 6)

Transformations on the Coordinate Plane · 16

ANSWER

(-9, 20)

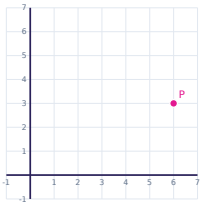
Transformations on the Coordinate Plane · 15

ANSWER

(-5, 11)

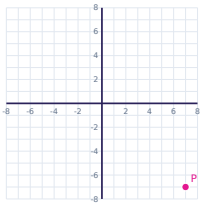
Transformations on the Coordinate Plane · 17

Rotate point P(6, 3) 90° counterclockwise about the origin.



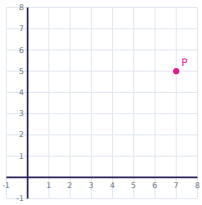
Transformations on the Coordinate Plane · 18

Translate point P(7, -7) using the rule (x, y) → (x - 5, y + 10).



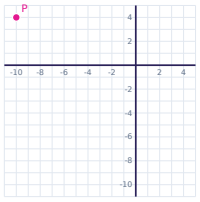
Transformations on the Coordinate Plane · 19

Translate point P(7, 5) using the rule (x, y) → (x + 8, y + 3).



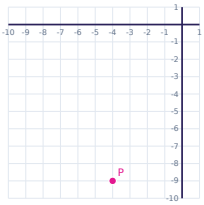
Transformations on the Coordinate Plane · 20

Rotate point P(-10, 4) 90° counterclockwise about the origin.



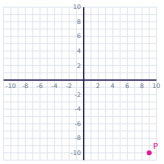
Transformations on the Coordinate Plane · 21

Rotate point P(-4, -9) 90° counterclockwise about the origin.



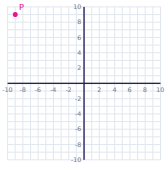
Transformations on the Coordinate Plane · 22

Rotate point P(9, -10) 180° about the origin.



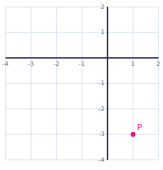
Transformations on the Coordinate Plane · 23

Reflect point P(-9, 9) over the x-axis.



Transformations on the Coordinate Plane · 24

Reflect point P(1, -3) over the y-axis.



Transformations on the Coordinate Plane · 18

ANSWER

(2, 3)

Transformations on the Coordinate Plane · 17

ANSWER

(-3, 6)

Transformations on the Coordinate Plane · 20

ANSWER

(-4, -10)

Transformations on the Coordinate Plane · 19

ANSWER

(15, 8)

Transformations on the Coordinate Plane · 22

ANSWER

(-9, 10)

Transformations on the Coordinate Plane · 21

ANSWER

(9, -4)

Transformations on the Coordinate Plane · 24

ANSWER

(-1, -3)

Transformations on the Coordinate Plane · 23

ANSWER

(-9, -9)