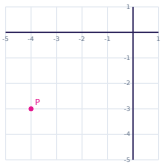
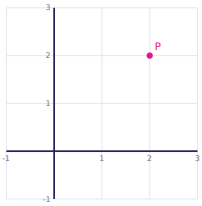
Transformations on the Coordinate Plane · 1

Reflect point P(-4, -3) over the x-axis.



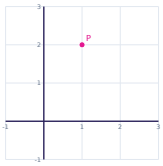
Transformations on the Coordinate Plane · 2

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



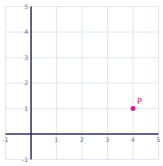
Transformations on the Coordinate Plane · 3

Rotate point P(1, 2) 180° about the origin.



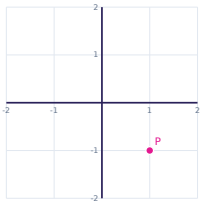
Transformations on the Coordinate Plane · 4

Reflect point P(4, 1) over the y-axis.



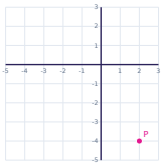
Transformations on the Coordinate Plane · 5

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



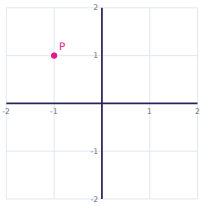
Transformations on the Coordinate Plane · 6

Reflect point P(2, -4) over the x-axis.



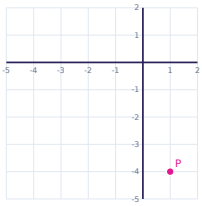
Transformations on the Coordinate Plane · 7

Translate point P(-1, 1) using the rule (x, y) → (x + 3, y).



Transformations on the Coordinate Plane · 8

Rotate point P(1, -4) 90° counterclockwise about the origin.



Transformations on the Coordinate Plane · 2

ANSWER

(-2, 2)

Transformations on the Coordinate Plane · 1

ANSWER

(-4, 3)

Transformations on the Coordinate Plane · 4

ANSWER

(-4, 1)

Transformations on the Coordinate Plane · 3

ANSWER

(-1, -2)

Transformations on the Coordinate Plane · 6

ANSWER

(2, 4)

Transformations on the Coordinate Plane · 5

ANSWER

(1, 1)

Transformations on the Coordinate Plane · 8

ANSWER

(4, 1)

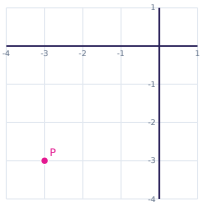
Transformations on the Coordinate Plane · 7

ANSWER

(2, 1)

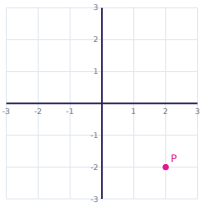
Transformations on the Coordinate Plane · 9

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



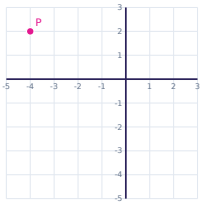
Transformations on the Coordinate Plane · 10

Translate point P(2, -2) using the rule (x, y) → (x + 5, y + 2).



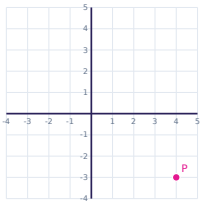
Transformations on the Coordinate Plane · 11

Rotate point P(-4, 2) 90° counterclockwise about the origin.



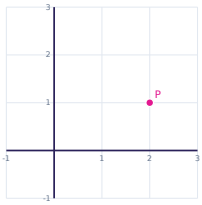
Transformations on the Coordinate Plane · 12

Rotate point P(4, -3) 90° counterclockwise about the origin.



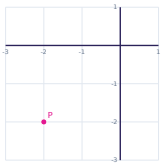
Transformations on the Coordinate Plane · 13

Translate point P(2, 1) using the rule (x, y) → (x - 3, y).



Transformations on the Coordinate Plane · 14

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



Transformations on the Coordinate Plane · 15

Rotate point P(1, 5) 90° counterclockwise about the origin.



Transformations on the Coordinate Plane · 16

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



Transformations on the Coordinate Plane · 10

ANSWER

(7, 0)

Transformations on the Coordinate Plane · 9

ANSWER

(3, -3)

Transformations on the Coordinate Plane · 12

ANSWER

(3, 4)

Transformations on the Coordinate Plane · 11

ANSWER

(-2, -4)

Transformations on the Coordinate Plane · 14

ANSWER

(2, 2)

Transformations on the Coordinate Plane · 13

ANSWER

(-1, 1)

Transformations on the Coordinate Plane · 16

ANSWER

(6, 6)

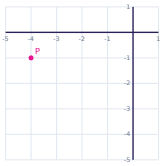
Transformations on the Coordinate Plane · 15

ANSWER

(-5, 1)

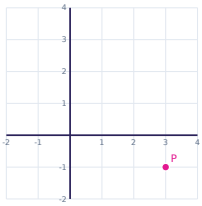
Transformations on the Coordinate Plane · 17

Rotate point P(-4, -1) 180° about the origin.



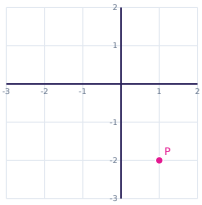
Transformations on the Coordinate Plane · 18

Translate point P(3, -1) using the rule (x, y) → (x + 3, y - 2).



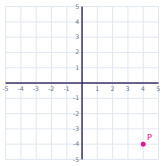
Transformations on the Coordinate Plane · 19

Translate point P(1, -2) using the rule (x, y) → (x - 4, y + 2).



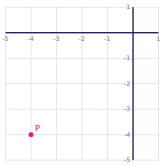
Transformations on the Coordinate Plane · 20

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



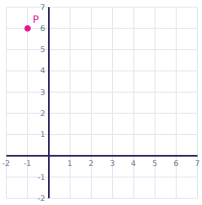
Transformations on the Coordinate Plane · 21

Reflect point P(-4, -4) over the y-axis.



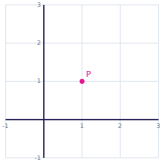
Transformations on the Coordinate Plane · 22

Rotate point P(-1, 6) 90° counterclockwise about the origin.



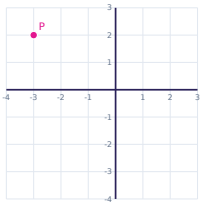
Transformations on the Coordinate Plane · 23

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



Transformations on the Coordinate Plane · 24

Rotate point P(-3, 2) 90° counterclockwise about the origin.



Transformations on the Coordinate Plane · 18

ANSWER

(6, -3)

Transformations on the Coordinate Plane · 17

ANSWER

(4, 1)

Transformations on the Coordinate Plane · 20

ANSWER

(-4, 4)

Transformations on the Coordinate Plane · 19

ANSWER

(-3, 0)

Transformations on the Coordinate Plane · 22

ANSWER

(-6, -1)

Transformations on the Coordinate Plane · 21

ANSWER

(4, -4)

Transformations on the Coordinate Plane · 24

ANSWER

(-2, -3)

Transformations on the Coordinate Plane · 23

ANSWER

(1, -1)