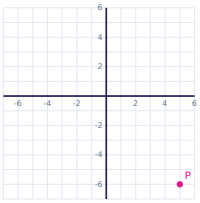
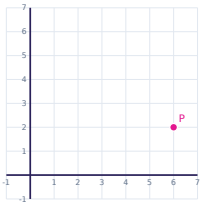
Transformations on the Coordinate Plane · 1

Rotate point P(5, -6) 90° counterclockwise about the origin.



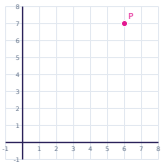
Transformations on the Coordinate Plane · 2

Translate point P(6, 2) using the rule (x, y) → (x + 6, y + 3).



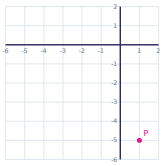
Transformations on the Coordinate Plane · 3

Reflect point P(6, 7) over the y-axis.



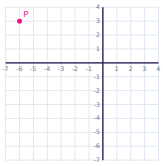
Transformations on the Coordinate Plane · 4

Reflect point P(1, -5) over the x-axis.



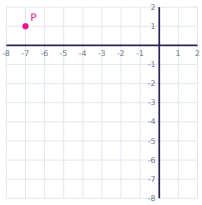
Transformations on the Coordinate Plane · 5

Reflect point P(-6, 3) over the x-axis.



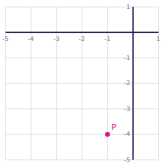
Transformations on the Coordinate Plane · 6

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



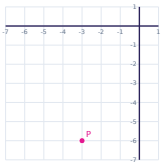
Transformations on the Coordinate Plane · 7

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



Transformations on the Coordinate Plane · 8

Reflect point P(-3, -6) over the y-axis.



Transformations on the Coordinate Plane · 2

ANSWER

(12, 5)

Transformations on the Coordinate Plane · 1

ANSWER

(6, 5)

Transformations on the Coordinate Plane · 4

ANSWER

(1, 5)

Transformations on the Coordinate Plane · 3

ANSWER

(-6, 7)

Transformations on the Coordinate Plane · 6

ANSWER

(-12, 1)

Transformations on the Coordinate Plane · 5

ANSWER

(-6, -3)

Transformations on the Coordinate Plane · 8

ANSWER

(3, -6)

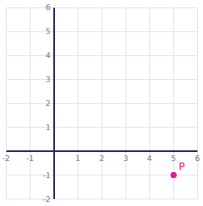
Transformations on the Coordinate Plane · 7

ANSWER

(1, 4)

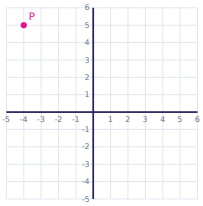
Transformations on the Coordinate Plane · 9

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



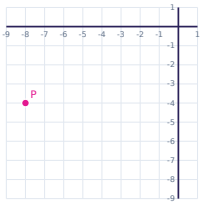
Transformations on the Coordinate Plane · 10

Translate point P(-4, 5) using the rule (x, y) → (x - 8, y + 8).



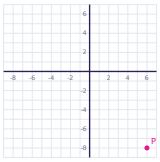
Transformations on the Coordinate Plane · 11

Translate point P(-8, -4) using the rule (x, y) → (x + 3, y - 3).



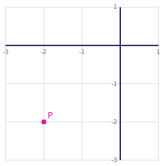
Transformations on the Coordinate Plane · 12

Rotate point P(6, -8) 180° about the origin.



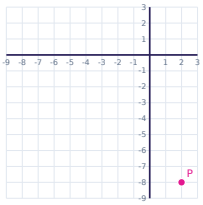
Transformations on the Coordinate Plane · 13

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



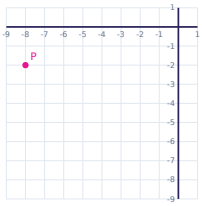
Transformations on the Coordinate Plane · 14

Translate point P(2, -8) using the rule (x, y) → (x - 6, y + 5).



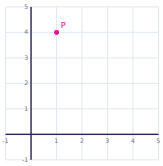
Transformations on the Coordinate Plane · 15

Rotate point P(-8, -2) 90° counterclockwise about the origin.



Transformations on the Coordinate Plane · 16

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



Transformations on the Coordinate Plane · 10

ANSWER

(-12, 13)

Transformations on the Coordinate Plane · 9

ANSWER

(1, 5)

Transformations on the Coordinate Plane · 12

ANSWER

(-6, 8)

Transformations on the Coordinate Plane · 11

ANSWER

(-5, -7)

Transformations on the Coordinate Plane · 14

ANSWER

(-4, -3)

Transformations on the Coordinate Plane · 13

ANSWER

(-2, 2)

Transformations on the Coordinate Plane · 16

ANSWER

(-1, -4)

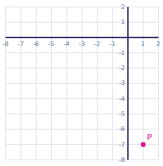
Transformations on the Coordinate Plane · 15

ANSWER

(2, -8)

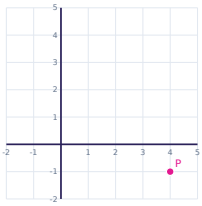
Transformations on the Coordinate Plane · 17

Reflect point P(1, -7) over the y-axis.



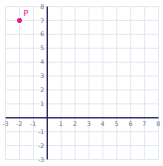
Transformations on the Coordinate Plane · 18

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



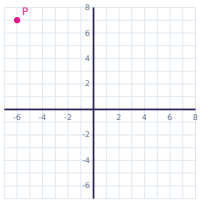
Transformations on the Coordinate Plane · 19

Reflect point P(-2, 7) over the x-axis.



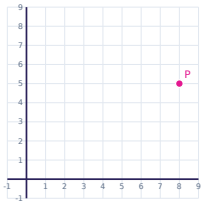
Transformations on the Coordinate Plane · 20

Rotate point P(-6, 7) 90° counterclockwise about the origin.



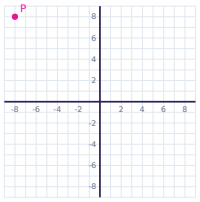
Transformations on the Coordinate Plane · 21

Translate point P(8, 5) using the rule (x, y) → (x + 9, y + 6).



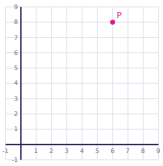
Transformations on the Coordinate Plane · 22

Translate point P(-8, 8) using the rule (x, y) → (x - 7, y + 9).



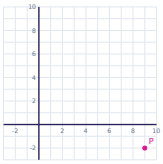
Transformations on the Coordinate Plane · 23

Reflect point P(6, 8) over the x-axis.



Transformations on the Coordinate Plane · 24

Rotate point P(9, -2) 180° about the origin.



Transformations on the Coordinate Plane · 18

ANSWER

(1, 4)

Transformations on the Coordinate Plane · 17

ANSWER

(-1, -7)

Transformations on the Coordinate Plane · 20

ANSWER

(-7, -6)

Transformations on the Coordinate Plane · 19

ANSWER

(-2, -7)

Transformations on the Coordinate Plane · 22

ANSWER

(-15, 17)

Transformations on the Coordinate Plane · 21

ANSWER

(17, 11)

Transformations on the Coordinate Plane · 24

ANSWER

(-9, 2)

Transformations on the Coordinate Plane · 23

ANSWER

(6, -8)