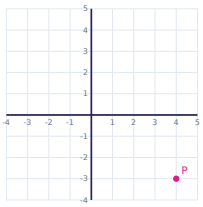
Polar Coordinates · 1

Convert the rectangular point (4, 4) to polar coordinates.

Polar Coordinates · 2

The point P(4, -3) is written in polar form (r, θ). Find r.

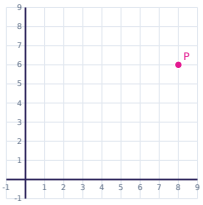


Polar Coordinates · 3

Convert the rectangular point (-4, 0) to polar coordinates.

Polar Coordinates · 4

The point P(8, 6) is written in polar form (r, θ). Find r.



Polar Coordinates · 5

Convert the rectangular point (-2, -2) to polar coordinates.

Polar Coordinates · 6

Convert the rectangular point (-8, 0) to polar coordinates.

Polar Coordinates · 7

Convert the rectangular point (-4√3, 4) to polar coordinates.

Polar Coordinates · 8

Convert the rectangular point (-√3, 1) to polar coordinates.

Polar Coordinates · 2

ANSWER

5

Polar Coordinates · 1

ANSWER

$(4\sqrt{2}, 45°)$

Polar Coordinates · 4

ANSWER

10

Polar Coordinates · 3

ANSWER

(4, 180°)

Polar Coordinates · 6

ANSWER

(8, 180°)

Polar Coordinates · 5

ANSWER

$(2\sqrt{2}, 225°)$

Polar Coordinates · 8

ANSWER

(2, 150°)

Polar Coordinates · 7

ANSWER

(8, 150°)

Polar Coordinates · 9

Convert the rectangular point (0, -6) to polar coordinates.

Polar Coordinates · 10

Convert the rectangular point (5, -5) to polar coordinates.

Polar Coordinates · 11

Convert the rectangular point (-6, -6) to polar coordinates.

Polar Coordinates · 12

Convert the rectangular point (4, -4) to polar coordinates.

Polar Coordinates · 13

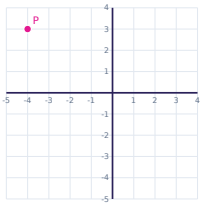
Convert the rectangular point (-5, 0) to polar coordinates.

Polar Coordinates · 14

The point P(-7, -24) is written in polar form (r, θ). Find r.

Polar Coordinates · 15

The point P(-4, 3) is written in polar form (r, θ). Find r.



Polar Coordinates · 16

Convert the rectangular point (-2, -2√3) to polar coordinates.

Polar Coordinates · 10

ANSWER

$(5\sqrt{2}, 315°)$

Polar Coordinates · 9

ANSWER

$(6, 270°)$

Polar Coordinates · 12

ANSWER

$(4\sqrt{2}, 315°)$

Polar Coordinates · 11

ANSWER

$(6\sqrt{2}, 225°)$

Polar Coordinates · 14

ANSWER

25

Polar Coordinates · 13

ANSWER

$(5, 180°)$

Polar Coordinates · 16

ANSWER

$(4, 240°)$

Polar Coordinates · 15

ANSWER

5

Polar Coordinates · 17

Convert the rectangular point (-3, 3√3) to polar coordinates.

Polar Coordinates · 18

Convert the rectangular point (4√3, -4) to polar coordinates.

Polar Coordinates · 19

Convert the rectangular point (3√3, -3) to polar coordinates.

Polar Coordinates · 20

Convert the rectangular point (-1, -√3) to polar coordinates.

Polar Coordinates · 21

Convert the rectangular point (2√3, -2) to polar coordinates.

Polar Coordinates · 22

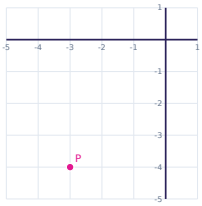
Convert the rectangular point (4, 4√3) to polar coordinates.

Polar Coordinates · 23

Convert the rectangular point (-3√3, 3) to polar coordinates.

Polar Coordinates · 24

The point P(-3, -4) is written in polar form (r, θ). Find r.



Polar Coordinates · 18

ANSWER

(8, 330°)

Polar Coordinates · 17

ANSWER

(6, 120°)

Polar Coordinates · 20

ANSWER

(2, 240°)

Polar Coordinates · 19

ANSWER

(6, 330°)

Polar Coordinates · 22

ANSWER

(8, 60°)

Polar Coordinates · 21

ANSWER

(4, 330°)

Polar Coordinates · 24

ANSWER

5

Polar Coordinates · 23

ANSWER

(6, 150°)