

Exercise 27

In Exercises 19–28, find any intercepts.

$$x^2y - x^2 + 4y = 0$$

Solution

To find the y -intercept, plug in $x = 0$ and solve the equation for y .

$$(0)^2y - (0)^2 + 4y = 0$$

$$4y = 0$$

$$y = 0$$

Therefore, the y -intercept is $(0, 0)$. To find the x -intercept(s), set $y = 0$ and solve the equation for x .

$$x^2(0) - x^2 + 4(0) = 0$$

$$-x^2 = 0$$

$$x = 0$$

Therefore, the x -intercept is $(0, 0)$.

