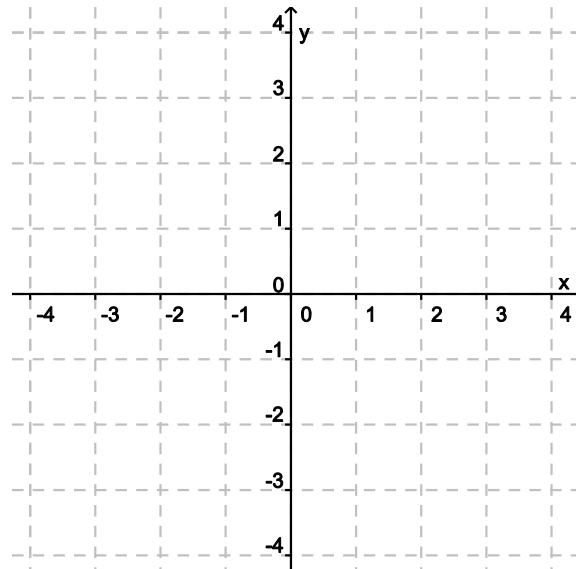


## Graphing Equations

### Cartesian (Rectangular) Coordinate System

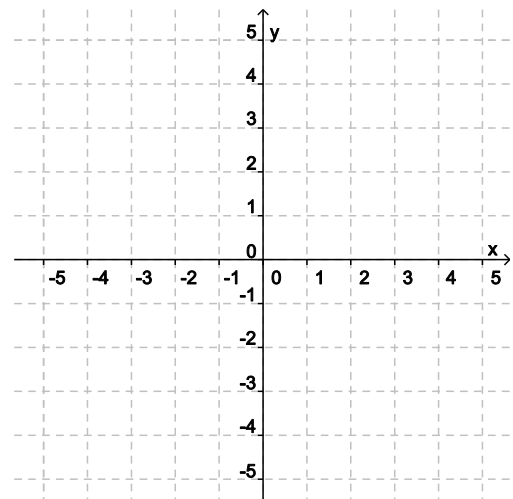


ex: Why is  $(1,3)$  a solution to  $y = 4 - x^2$ ?

The \_\_\_\_\_ of an equation shows all the solutions to the equation.

ex: Graph  $y = 4 - x^2$  by plotting points.

$x$	$y$	$(x, y)$

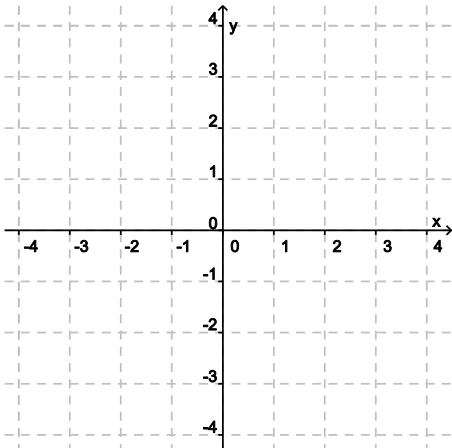


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**Practice**

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1. Graph the equation  $y = -x^2$  by plotting points at  $x = -2, -1, 0, 1,$  and  $2$ .



2. Graph the equation  $y = |x| - 1$  by plotting points at  $x = -3, -2, -1, 0, 1, 2,$  and  $3$ .

