Pre-Calculus 1.2

Determining Solutions

Is a solution of ?

Plug in -2 for the x and 4 for the y to see if the equation is true.

The point is not on the curve.

Sketching the Graph of a Linear Equation

Last Resort T Chart

Plug in an x value and find the y values.

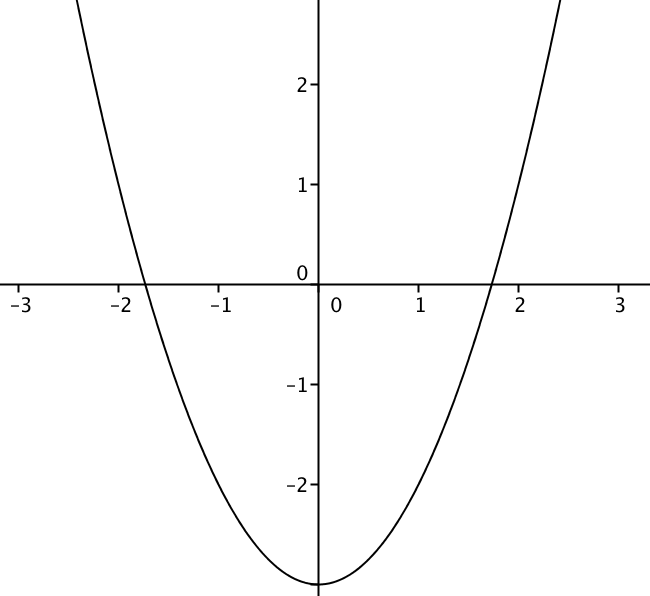
|  |  |
| --- | --- |
| X | Y |
| 0 | 6 |
| 2 | 3 |
| 4 | 0 |
| 6 | -3 |

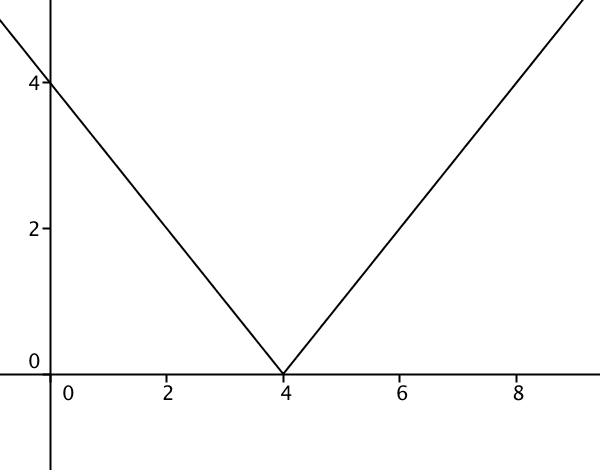
Find the Intercepts

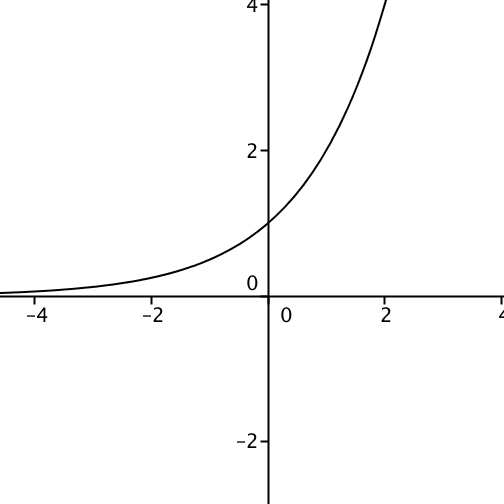
To find the x-intercept, let and solve for the x value.

To find the y-intercept, let and solve for the y value.

Sketching the Graph of a Function

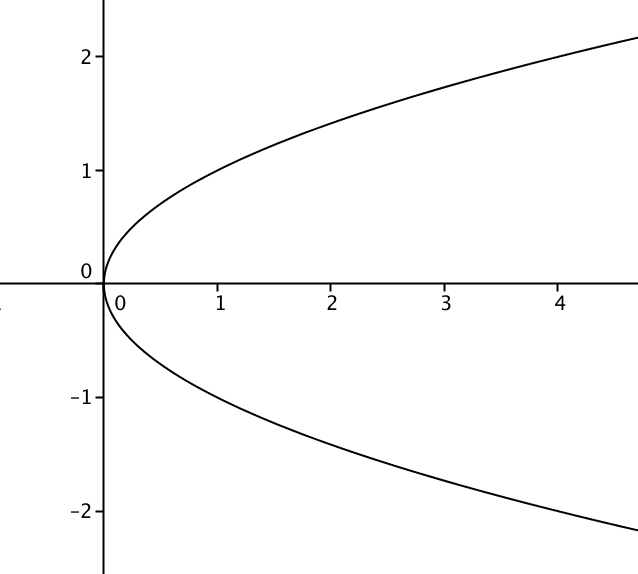




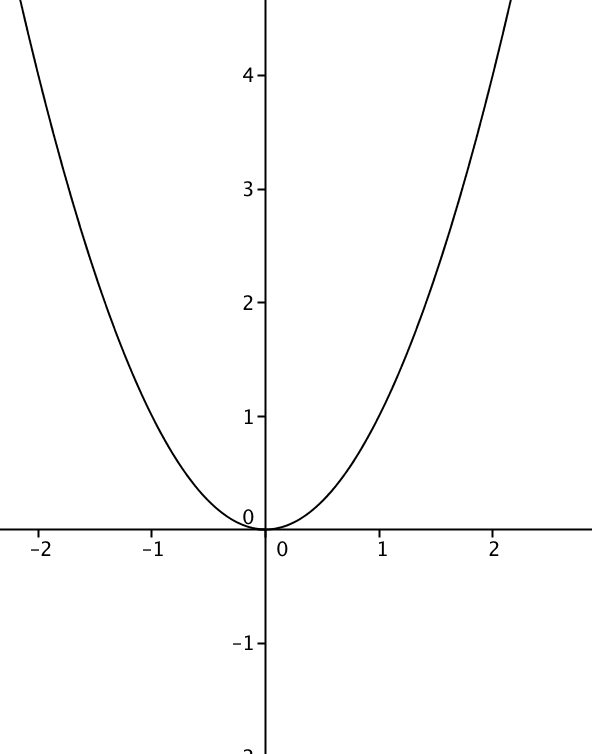


Symmetry using a graph

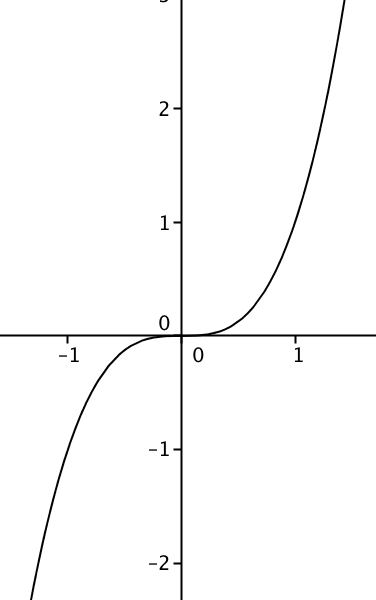
x-axis



y-axis



origin



Symmetry using an Equation

X axis

If you can substitute a for the and you get the same equation

Y axis

If you can substitute a for the and you get the same equation

Origin

If you substitute a and you get the negative of the equation

Equation of a Circle

is the center is the radius

Graphing a circle