

open graphs

add item

graphs

sliders

label

$y = a(x - h)^2 + k$

$a = 0.3$

$h = 2$

$k = -5$

(h, k)

Label: _____

$f(x)$ expression

“ ” note

table

folder

image

Label Position

- Default
- Left
- Right
- Above
- Below

Font Size

- Small
- Medium
- Large

Orientation

- Vertical

Projector Mode

- Grid
- Axis Numbers
- Minor Gridlines
- Arrows
- X-Axis
-10 ≤ x ≤ 10 Step: _____
- Y-Axis
-9.106 ≤ y ≤ 9.106 Step: _____

Radians Degrees

The image shows a Desmos graphing calculator interface. The main window displays a parabola in vertex form, $y = a(x - h)^2 + k$, with sliders for parameters $a = 0.3$, $h = 2$, and $k = -5$. The vertex of the parabola is labeled $(2, -5)$. The graph is plotted on a coordinate plane with x and y axes ranging from -10 to 10. A 'Projector Mode' panel is open on the right, showing options for Grid, Axis Numbers, Minor Gridlines, Arrows, X-Axis, and Y-Axis. The X-Axis and Y-Axis are both checked, and their ranges and step sizes are displayed. The 'Label' menu is open at the bottom left, showing options for expression, note, table, folder, image, label position, font size, and orientation.