

10.5E
Pg 669

GRAPH QUADRATIC FUNCTIONS IN VERTEX FORM

Form $y = A(x - H)^2 + K$

- ① VERTEX (H, K)
 - REMEMBER TO TAKE OPPOSITE OF H
- ② A.S. $x = H$
- ③ CREATE A TABLE TO PLOT GRAPH

OR PUT IN STD FORM

$y = -x^2 - 4x - 1$

EXAMPLE: $y = -(x + 2)^2 + 3$

V: $(-2, 3)$

AS: $x = -2$

x	-4	-3	-2	-1	0
y	-1	2	3	2	-1

