$$
t+{ }_{\tau}(\varepsilon-x)-=K\left[\varepsilon \quad{ }_{\tau}(\mathrm{I}+x) \tau=K[\forall\right.
$$


[a


## ع əjduexヨ



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

Axis of symmetry:

Vertex:
y-intercept:


Z әdurexg

## Example 1 Graph in vertex form

A] $y=-2(x+2)^{2}+3$
axis of symm:
B] $y=\frac{1}{2}(x-4)^{2}-3$
vertex:
opens up or down?
slope to pt 1 unit from vertex
y-int:
axis of symm:
vertex:
opens up or down?
slope to pt 1 unit from vertex: y-int:


