QUADRATIC.
FUNCTIONS

Standard form  $y = ax^2 + bx + c$   $y = x^2$ Parabola

-2

-3

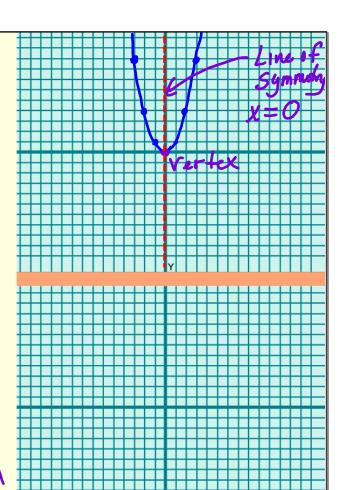
9

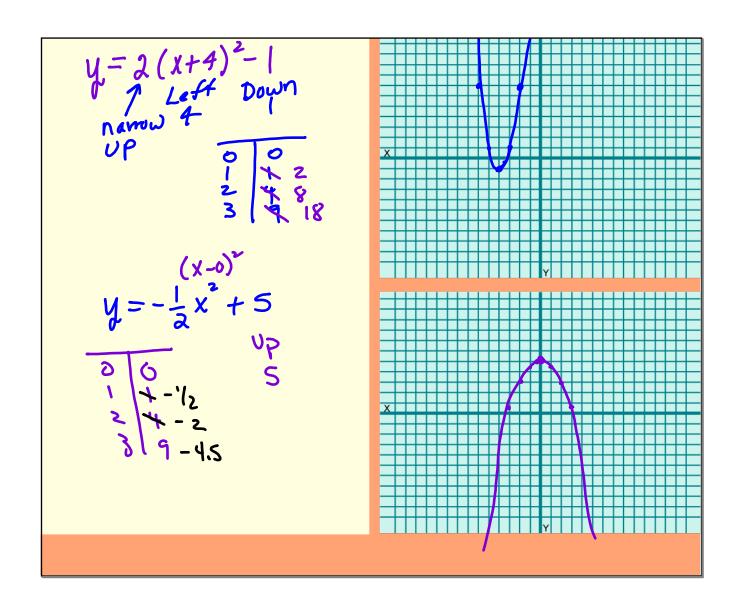
Vertex Form y=a(x-h)2+K Vertex: (h, K)

direction: ta up -a down

line of x=h

Width: |a|>| narrow |a|=| norma| |OKPAK| Wide





 $y = -2(x-4)^2 + 7$ 

Vertex: (4.7)

Direction: Down

Line of X = 4

Width: narrow

 $y = \frac{2}{3}(x+7)^2$ 

Vertex: (-7,0)

Direction: UP

Lin of symm: X=-7

Width: Wide

