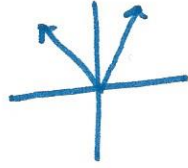


Absolute Value Equations



$$y = a|x-h| + k$$

a = "slope"

(h, k) = Vertex

* Opposite h

a is + : Open up

a is - : Open down

$|a| > 1$: ~~wider~~ steeper

$|a| < 1$: Wider

$$y = |x-2| + 3$$

$$a = 1$$

$$V: (2, 3)$$

$$y = -2|x+4|$$

$$a = -2$$

$$V: (-4, 0)$$

$$y + \frac{2}{-2} = |x+1| - \frac{2}{-2}$$

$$y = |x+1| - 2$$

$$a = 1$$

$$V: (-1, -2)$$