

$$f(x) = |x-1| + 2$$

$$f(x) = \begin{cases} (x-1) + 2 \\ -(x-1) + 2 \end{cases}$$

$$f(x) = |x+4| - 7$$

$$\begin{cases} (x+4) - 7 \\ -(x+4) - 7 \end{cases}$$

$$f(x) = 3|x-7| + 5$$

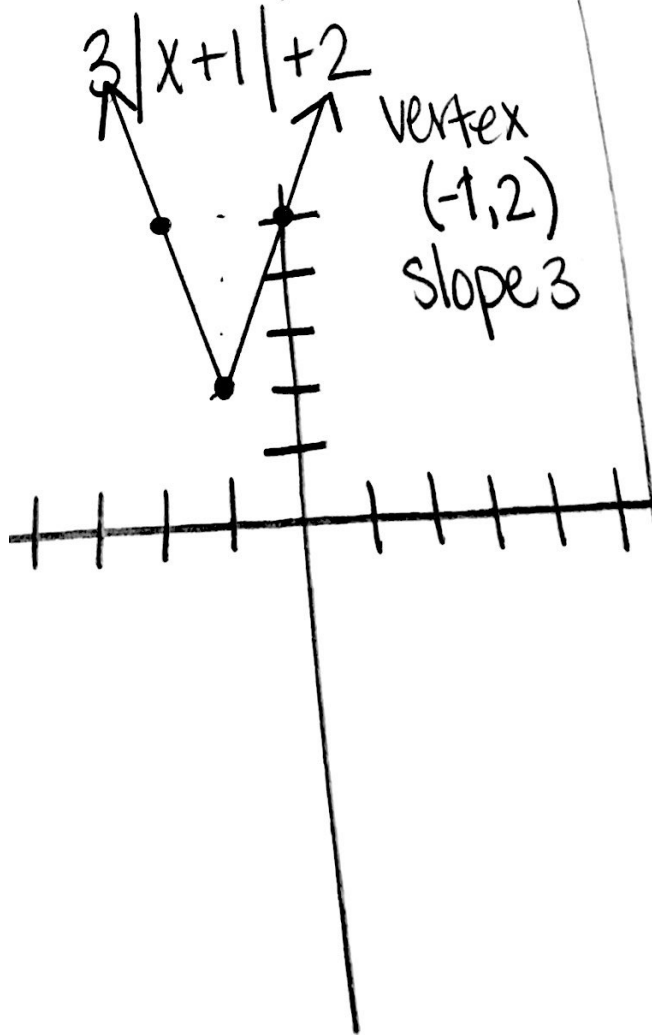
$$\begin{cases} 3(x-7) + 5 \\ -3(x-7) + 5 \end{cases}$$

$$|x-1|+2$$

$$|x|+2$$

$$3|x+2|+1$$

~~vertex (2,1)~~
~~slope 3~~



$$2|x-3|-4$$

