

Sketch the following:

Pre-Cal. H.

$$\textcircled{1} \quad y = (x-2)^2 - 3$$

$$y = -2(x+1)^2 + 5$$

$$y = \frac{1}{2}(x+3)^2$$

$$y = x^2 - 6x + 1$$

$$y = x^2 + 10x + 3$$

$$\textcircled{2} \quad y = |x| + 3$$

$$y = -2|x-3| + 1$$

$$y = \frac{1}{3}|x+4| - 3$$

$$\textcircled{3} \quad y = \begin{cases} x^2 + 2, & x \geq 0 \\ -x + 2, & x < 0 \end{cases}$$

$$y = \begin{cases} |x-3|, & x > -2 \\ 5, & x \leq -2 \end{cases}$$

$$y = \begin{cases} \cos x, & x \geq 0 \\ 1, & x < 0 \end{cases}$$

$$\textcircled{4} \quad y = \lfloor \lfloor x \rfloor \rfloor$$