Piecewise Notes				
Sunday, August 30, 2015 3:17 PM				
Precalculus 1.3 Day 2: Piecewise Functions Big Idea! A PIECEWISE FUNCTION is: α function Define and the product of t		$\frac{-31/(x<0)}{f(x)}$	pen	
2. Sketch a graph of $g(x) = \begin{cases} x & if x \ge 2 \\ -x & if x < 2 \end{cases}$	$ \begin{array}{c c} g(x) = x & lf & x \ge 2 \\ \hline X & g(x) \\ \hline 2 & 2 \\ \hline 3 & 3 \\ \hline 4 & 4 \\ \hline 5 & 5 \\ \end{array} $	f(x < 2) f(x < 2) f(x) -2 -1 O 1		
Try on your own! 3. Sketch a graph of $f(x) = \begin{cases} -x^2 & \text{if } x \ge 0 \\ x^3 & \text{if } x < 0 \end{cases}$	$f(x) = -x^2 \ lf \ x \ge 0$ $f(x) = x$		$\begin{array}{c} x = -3 \\ y = -x^2 \\ y = -x^2 \end{array}$	(y=(-3) ²

