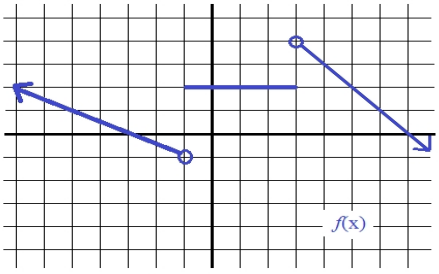
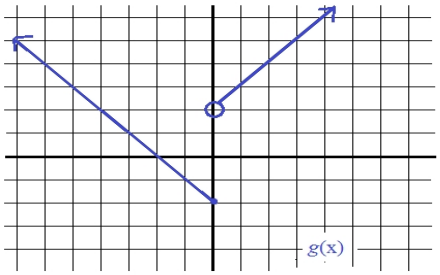
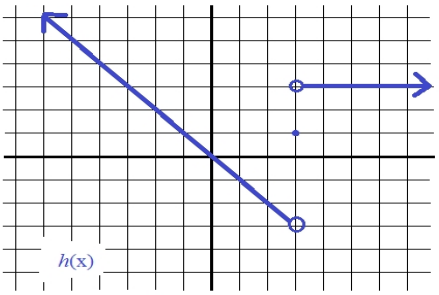
III. Identifying the Piecewise function -- write an expression to describe the graph



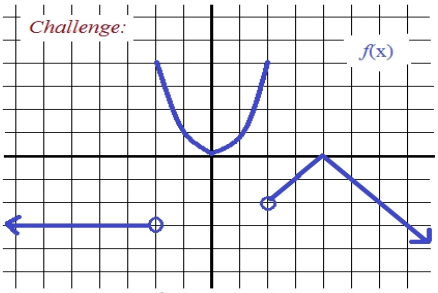
$f(x) =$ {



$g(x) =$ {



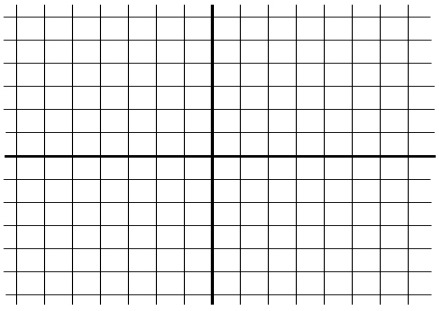
$h(x) =$ {



$f(x) =$ {

IV: Graphing Piecewise functions

$$f(x) = \begin{cases} 4, & \text{if } x < 3 \\ -x + 3, & \text{if } x \geq 3 \end{cases}$$



$$g(x) = \begin{cases} 2x, & \text{if } x < -3 \\ |x|, & \text{if } -3 \leq x < 3 \\ 5, & \text{if } x \geq 3 \end{cases}$$