

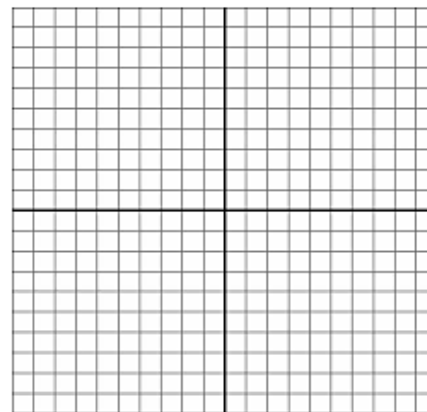
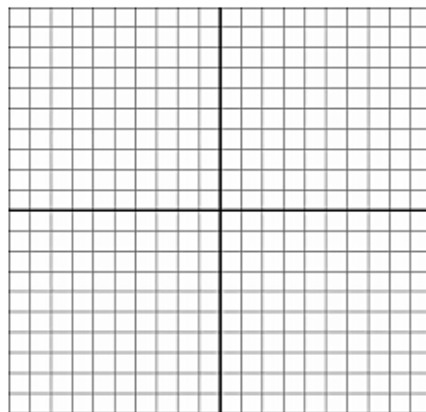
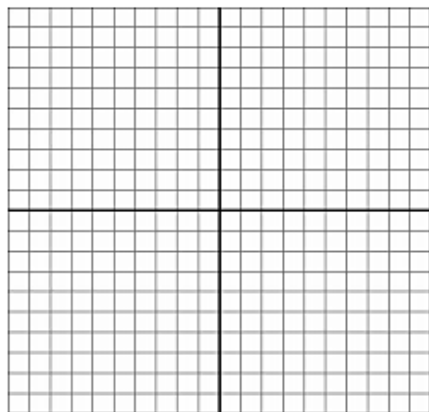
Piecewise-Defined Functions

Directions: Graph the following piecewise functions on the provided planes.

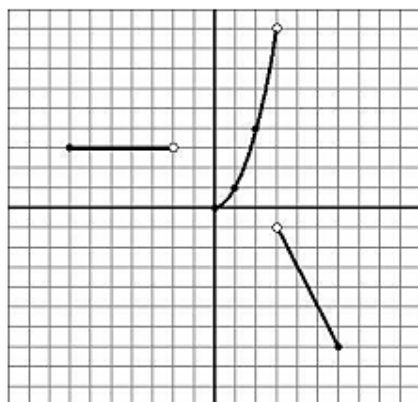
$$f(x) = \begin{cases} \frac{1}{x}, & (-\infty, 0) \\ 3x-8, & [0, 6) \\ \sqrt{x-2}, & [6, \infty) \end{cases}$$

$$g(x) = \begin{cases} x^3, & (-\infty, 1) \\ x+2, & [1, 4) \\ -2, & [4, 6) \end{cases}$$

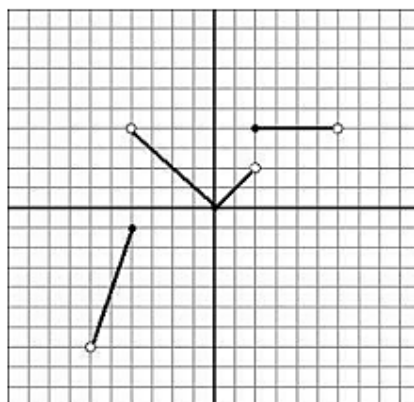
$$h(x) = \begin{cases} |x|, & (-\infty, 2) \\ 5, & [2, 3) \\ -x^2, & [3, \infty) \end{cases}$$



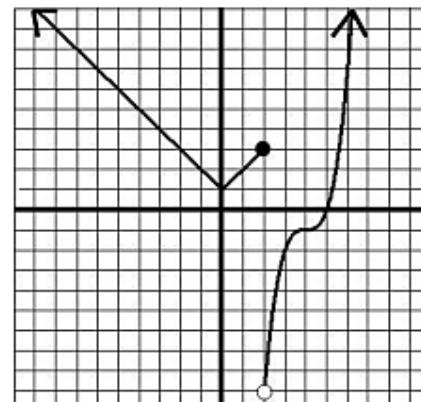
Directions: Write the equations of the piecewise functions whose graphs are given below.



$$f(x) = \left\{ \begin{array}{l} \\ \\ \\ \end{array} \right.$$



$$g(x) = \left\{ \begin{array}{l} \\ \\ \\ \end{array} \right.$$



$$g(x) = \left\{ \begin{array}{l} \\ \\ \\ \end{array} \right.$$