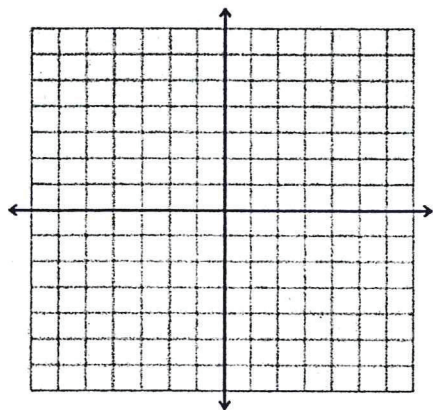


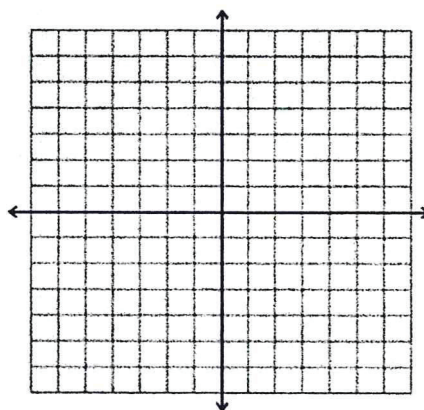
Worksheet *Step*
Graphing Piecewise Functions

Name _____

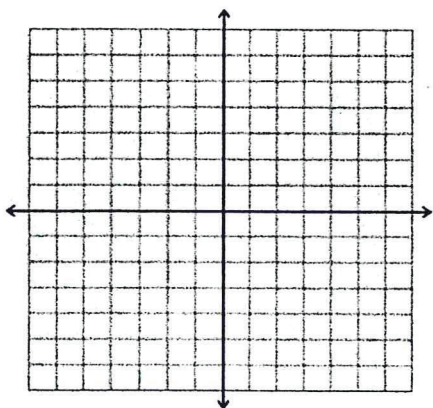
1. $f(x) = \begin{cases} 3, & \text{if } x \leq 4 \\ -1, & \text{if } x > 4 \end{cases}$



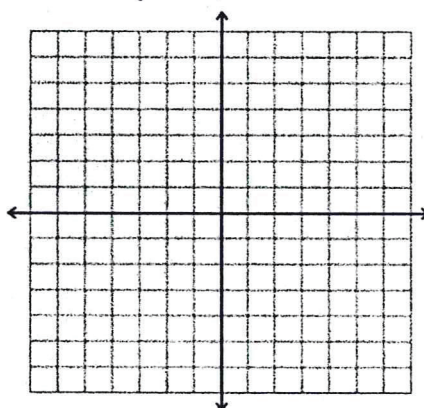
2. $f(x) = \begin{cases} 2, & \text{if } x \leq -3 \\ -1, & \text{if } -3 < x < 3 \\ 3, & \text{if } x \geq 3 \end{cases}$



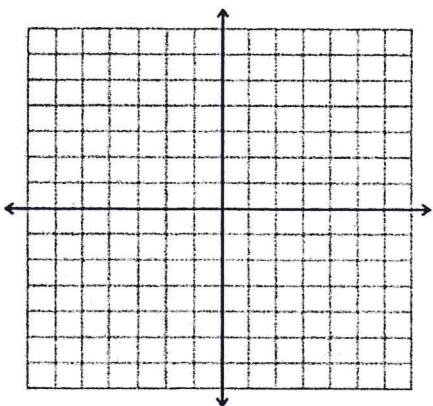
3. $g(x) = \begin{cases} 3, & \text{if } x \leq 0 \\ 2, & \text{if } x > 0 \end{cases}$



4. $g(x) = \begin{cases} 1, & \text{if } 0 < x \leq 1 \\ 3, & \text{if } 1 < x \leq 2 \\ 4, & \text{if } 2 < x \leq 3 \\ 6, & \text{if } 3 < x \leq 4 \end{cases}$



5. $h(x) = \begin{cases} 0, & \text{if } x > 0, \\ 2, & \text{if } x \leq 0 \end{cases}$



6. $h(x) = \begin{cases} -2, & \text{if } 0 \leq x < 2 \\ -4, & \text{if } 2 \leq x < 4 \\ -6, & \text{if } 4 \leq x < 6 \end{cases}$

