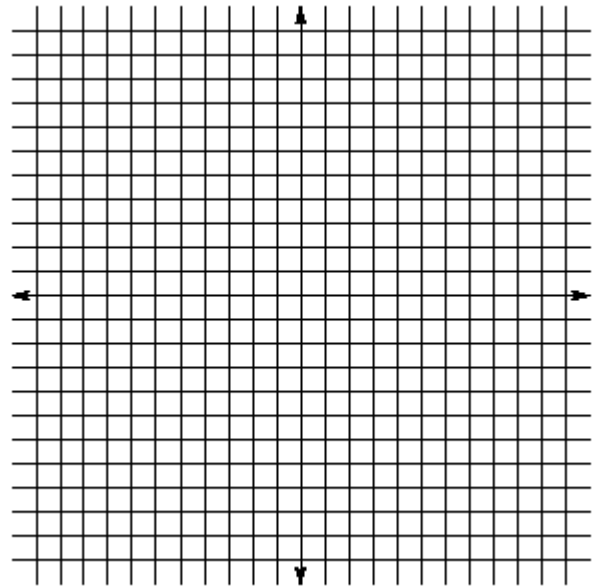
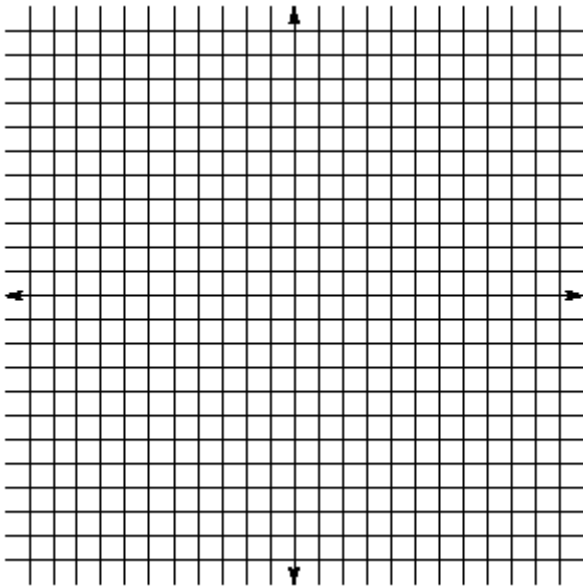


NAME _____

Graph and analyze the following functions.

1. $y = \begin{cases} 2x + 3, & x \geq 0 \\ x - 2, & x < 0 \end{cases}$

2. $y = \begin{cases} -2, & x > 0 \\ 0, & x = 0 \\ 2, & x < 0 \end{cases}$



Domain: _____

Domain: _____

Range: _____

Range: _____

Inc/Dec: _____

Inc/Dec: _____

End Behavior: _____

End Behavior: _____

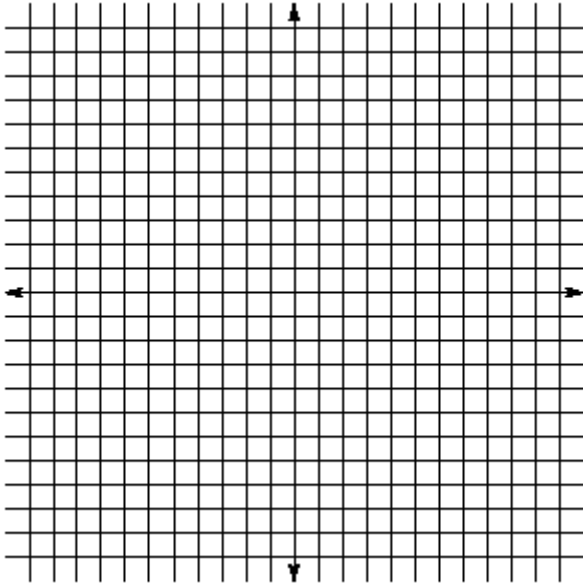
Continuity: _____

Continuity: _____

Roots: _____

Roots: _____

$$3. \quad y = \begin{cases} x + 2, & x > 0 \\ x^2, & x \leq 0 \end{cases}$$



Domain: _____

Range: _____

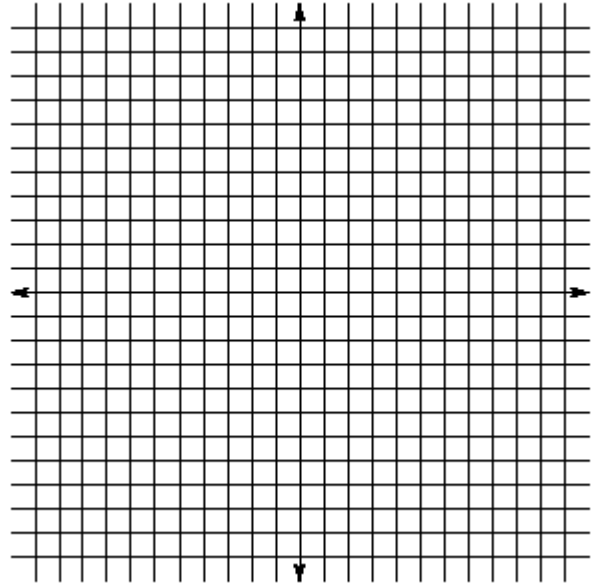
Inc/Dec: _____

End Behavior: _____

Continuity: _____

Roots: _____

$$4. \quad f(x) = \begin{cases} x + 1, & x \geq 1 \\ x - 1, & x < 1 \end{cases}$$



Domain: _____

Range: _____

Inc/Dec: _____

End Behavior: _____

Continuity: _____

Roots: _____