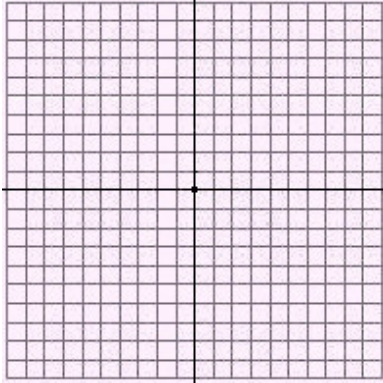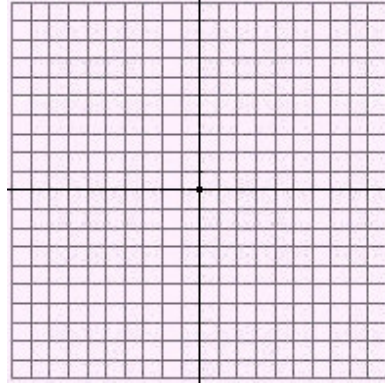# Graphing Piecewise Functions

Graph the following functions on the given domains.
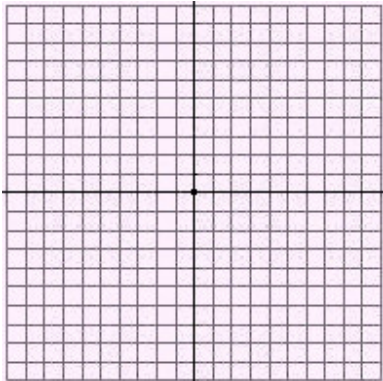
1. $f(x) = \begin{cases} 2x-1 & -2 \leq x < 1 \\ 3-x & 1 \leq x \leq 4 \end{cases}$
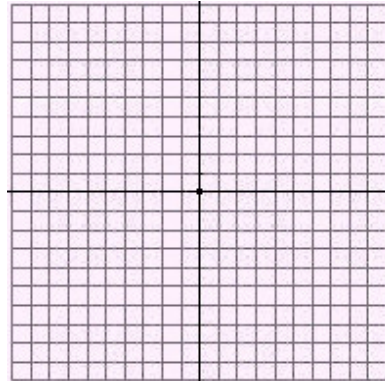
2. $f(x) = \begin{cases} x+2 & -1 \leq x < 1 \\ 3x & 1 \leq x \leq 3 \end{cases}$

3. $f(x) = \begin{cases} 3x-4 & 2 \leq x \leq 6 \\ 3x-6 & 6 < x \leq 10 \end{cases}$

4. $f(x) = \begin{cases} 2x & 1 \leq x \\ 4 & x < 1 \end{cases}$

5. $f(x) = \begin{cases} x & x < -1 \\ 1 & -1 \leq x \leq 2 \\ 1-x & x > 2 \end{cases}$