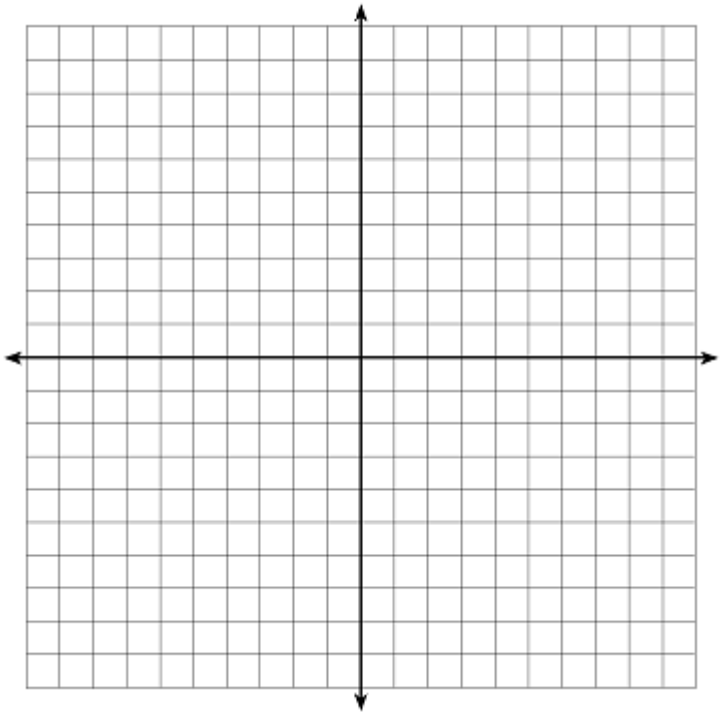
Name: _____ Date: _____ Period: _____

Intermediate Algebra

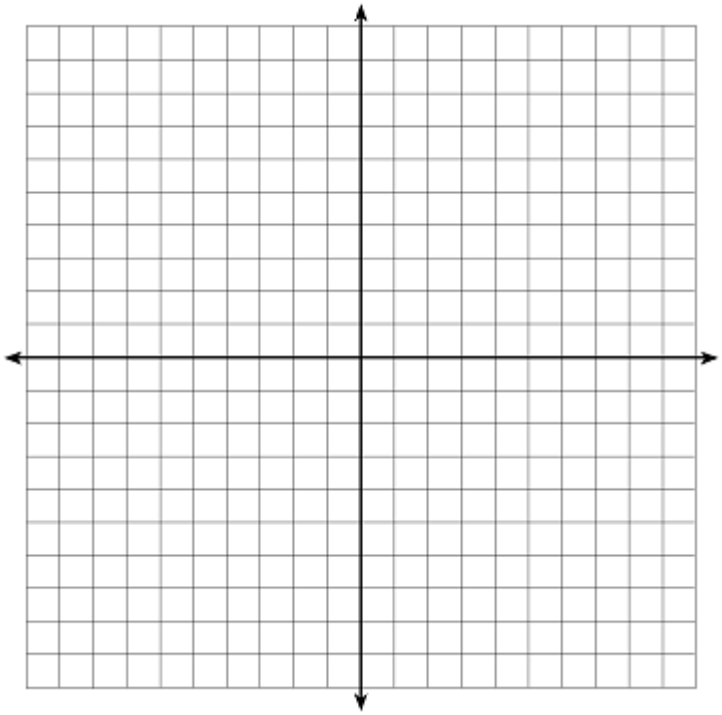
4.3 A – Intro to Piecewise Functions

Graph the following.

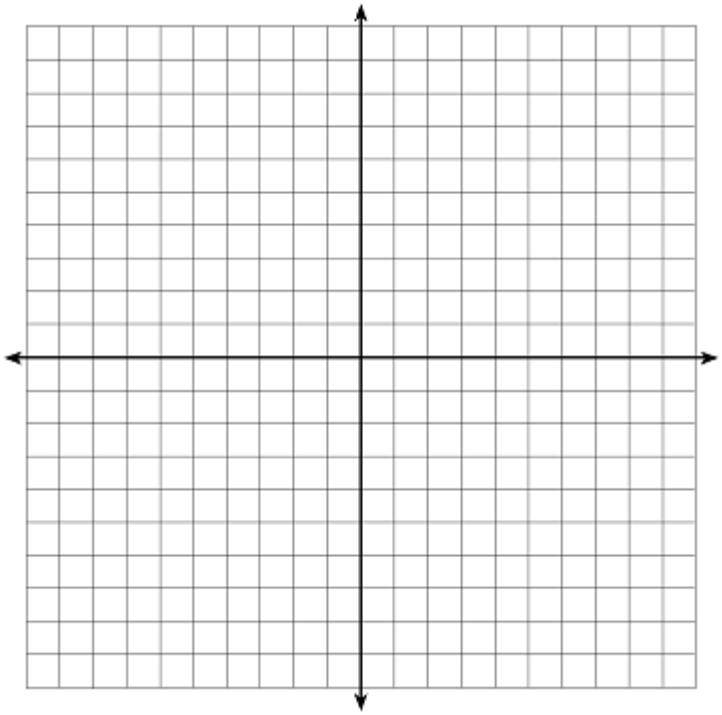
$f(x) = 3$



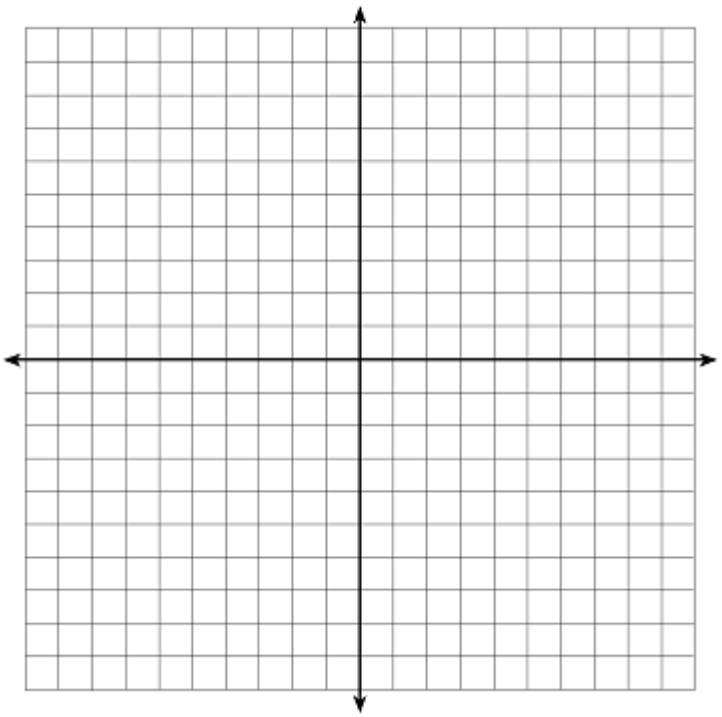
$f(x) = 3$, when $x < 0$



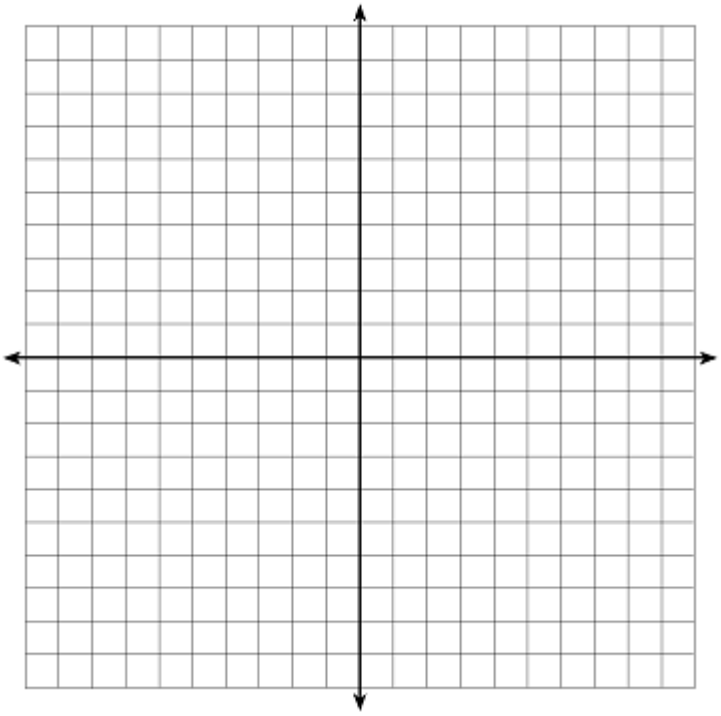
$f(x) = 3$, when $x \geq 0$



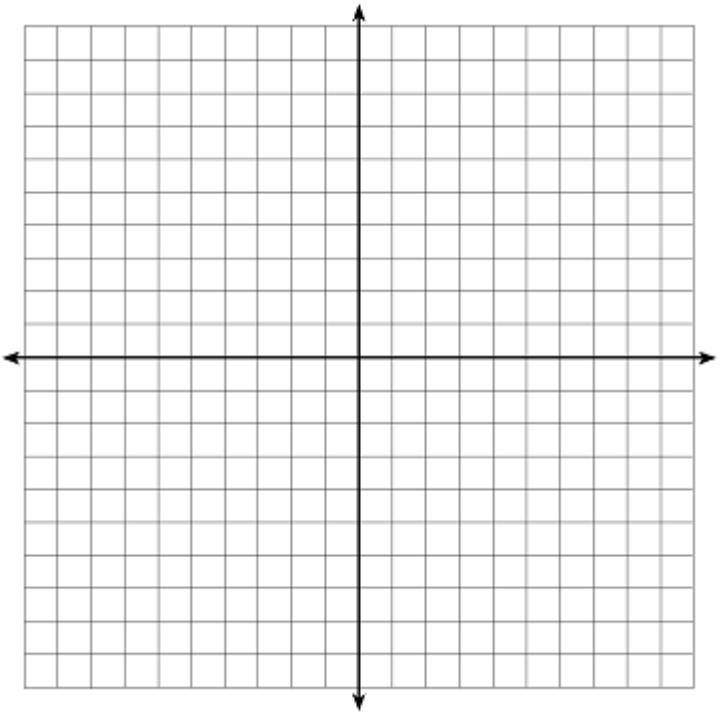
$f(x) = 3$, when $x \leq 4$



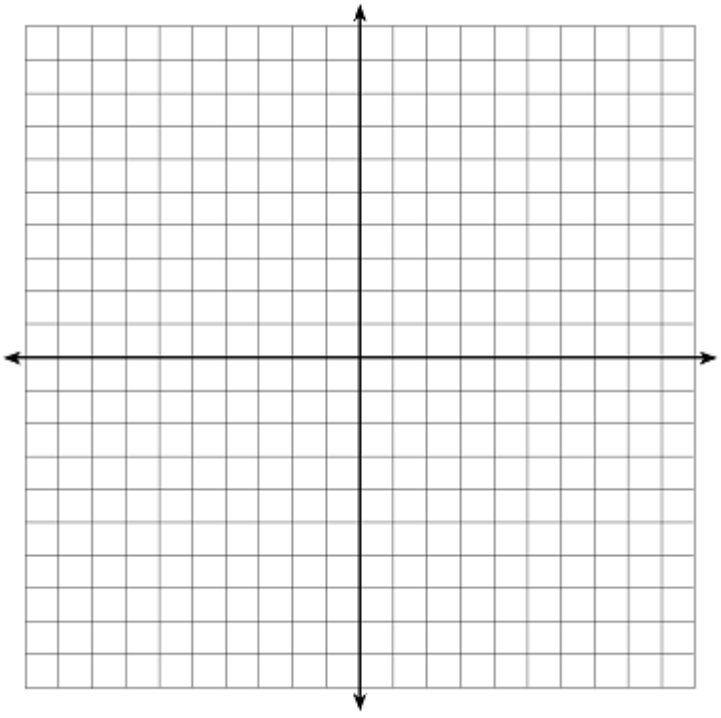
$f(x) = x - 1$



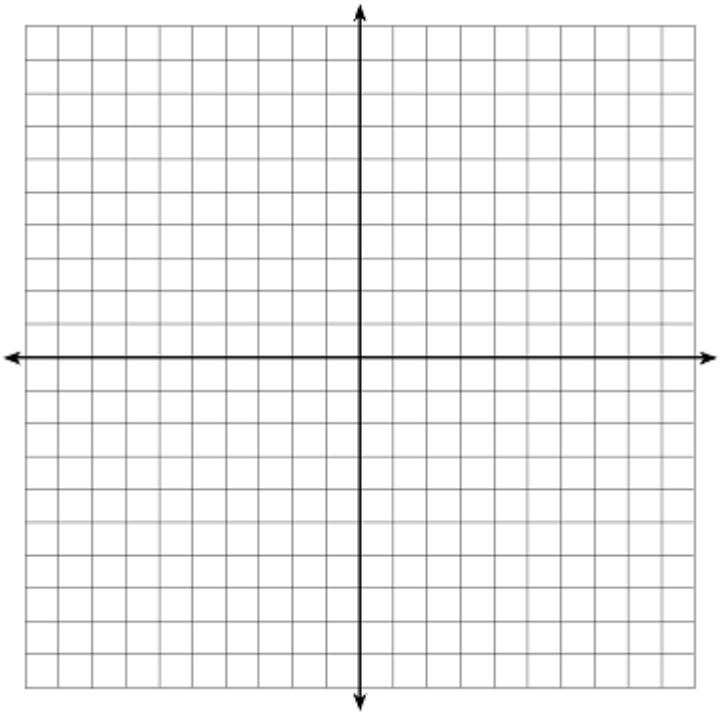
$f(x) = x - 1$, when $x < -1$



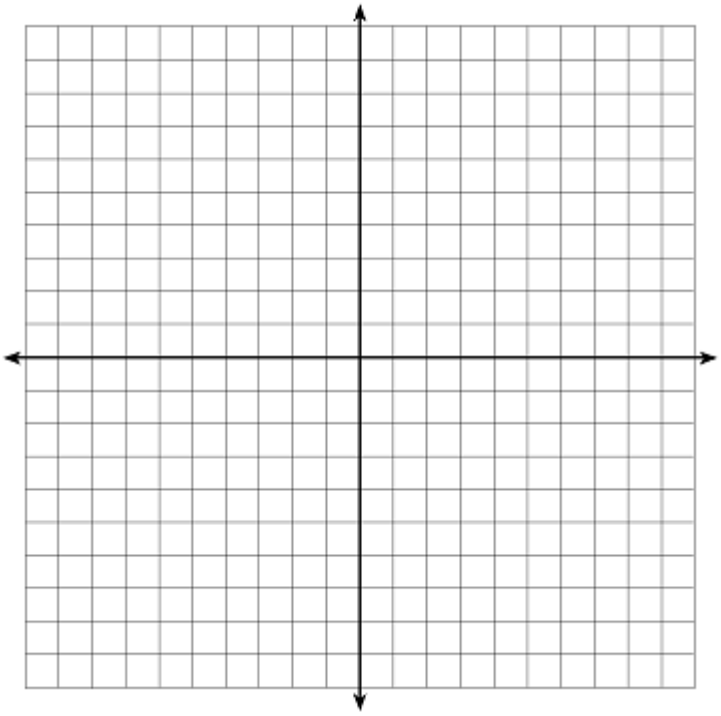
$f(x) = x - 1$, when $x \geq 1$



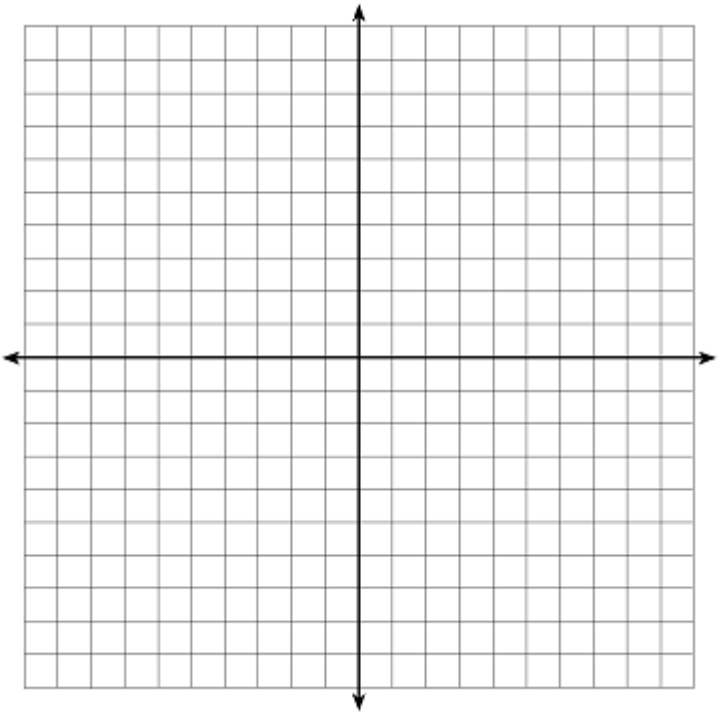
$f(x) = x - 1$, when $x \geq -1$



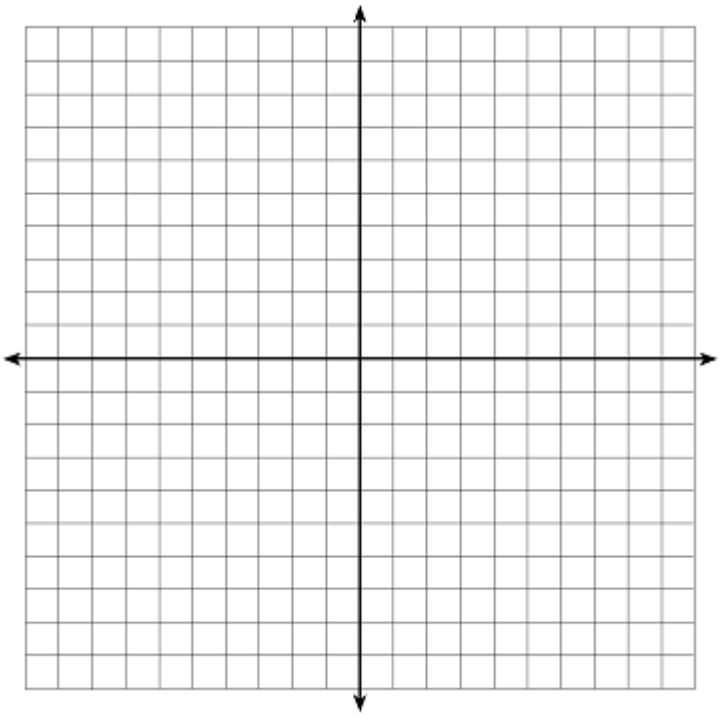
f(x) = -3x + 4



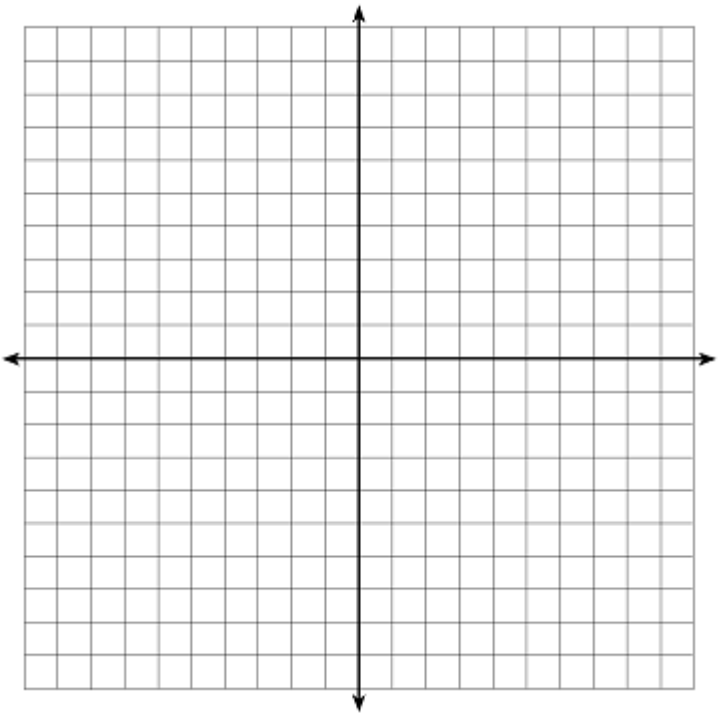
f(x) = -3x + 4, when x < -1



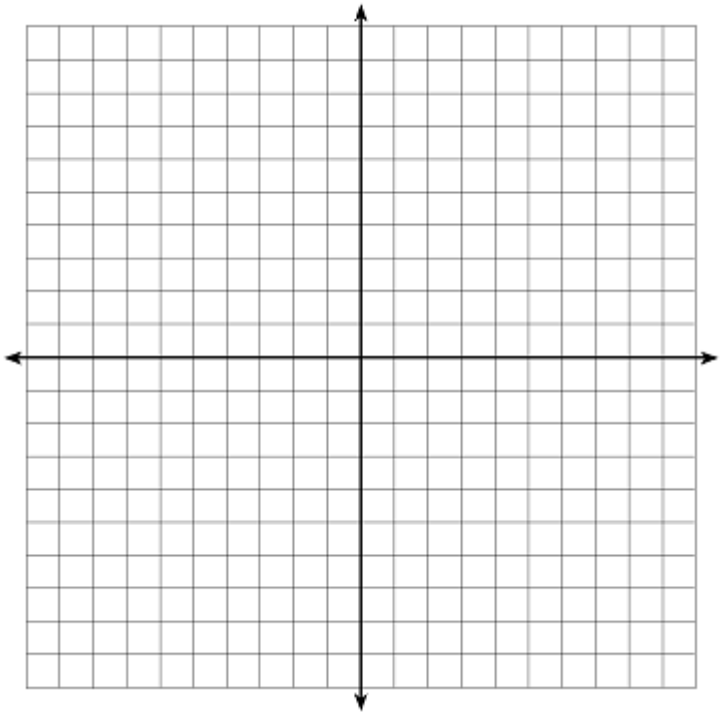
f(x) = -3x + 4, when x > 2



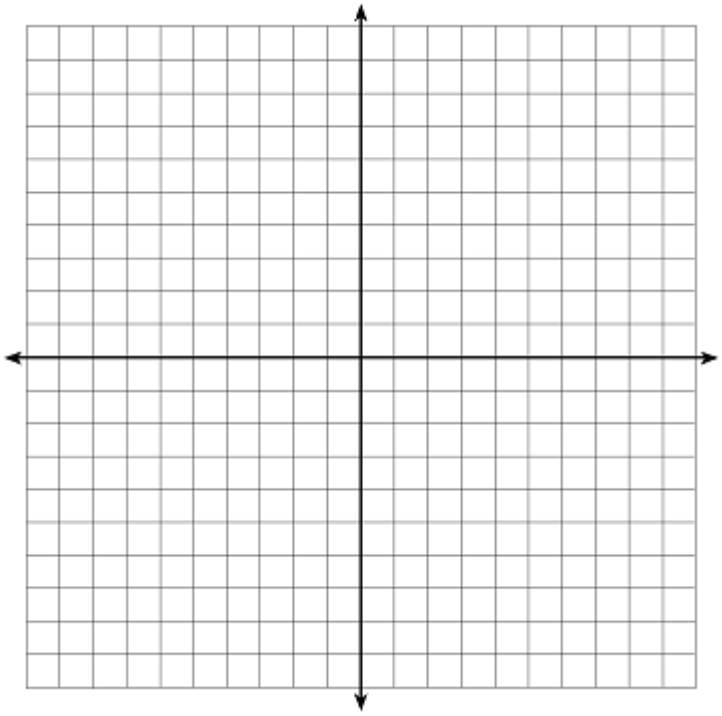
f(x) = -3x + 4, when x ≤ - 1



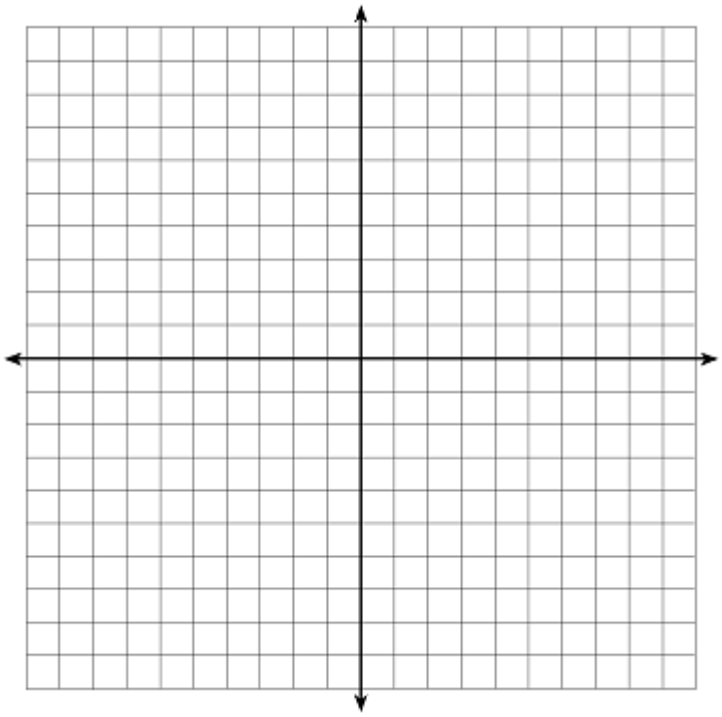
$f(x) = \frac{2}{3}x - 5$



$f(x) = \frac{2}{3}x - 5$, when $-7 < x < 0$



$f(x) = \frac{2}{3}x - 5$, when $x \leq 3$



$f(x) = \frac{2}{3}x - 5$, when $0 \leq x \leq -6$