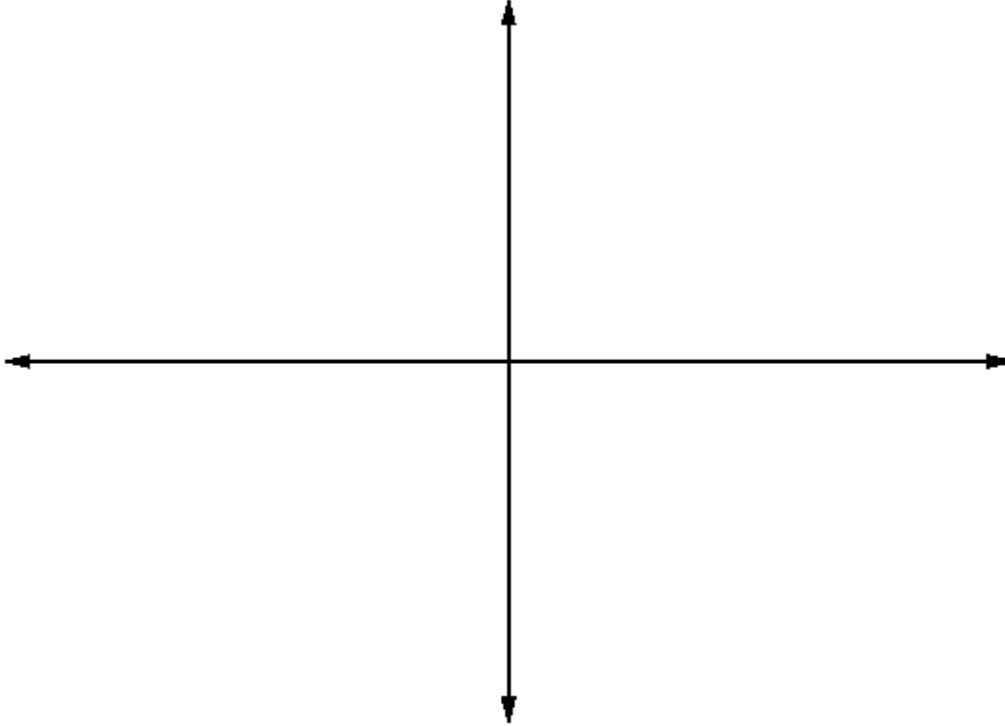


PreCalculus Quiz

Your Name:

1. Sketch a function that matches the given criteria.



domain

$[-\infty, -4) , [-1, +\infty]$

range

$(-5, 4)$

increasing

everywhere on domain

concave up

$[-\infty, -7)$

inflection point

$x = 2$

remov. discontin.

$x = 5$

over >>

2.

Sketch the function $y = \frac{x+1}{\cos x + 2}$, $-10 < x < 10$

Label and write out intervals of concave up/down and inflection points.

