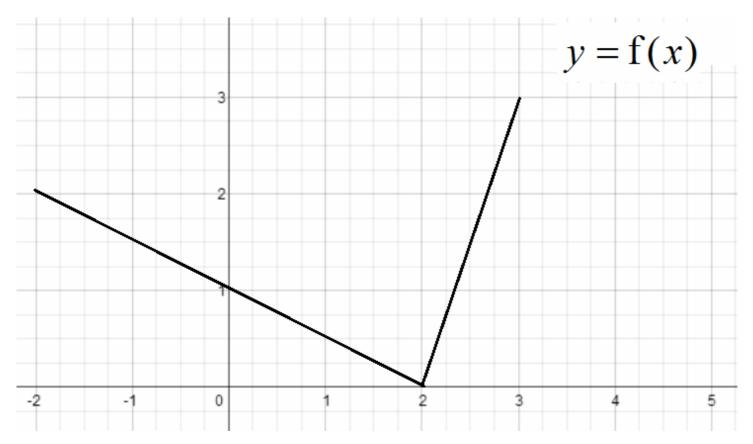
The function $f(x) = \frac{1}{x}$. Sketch the graph of y = f(x) and carry out the following transformations showing any points of intersection with the coordinate axis and the equations of any asymptotes:

f(x) + 2 f(x-1) 2f(x) f(3x) f(-x) f(x-3)-2 -f(x)-f(x)+1

A different function, y = f(x) is pictured below. The graph meets the x axis at (2,0) and crosses the y at (0,1) Apply the same transformations above stating clearly any points where the graph touches of meets the coordinate axis.



The function $f(x) = \frac{1}{x}$. Sketch the graph of y = f(x) and carry out the following transformations showing any points of intersection with the coordinate axis and the equations of any asymptotes:

f(x) + p, p > 0 f(x) + p, p < 0 f(x - q), q > 0 f(x - q), q < 0f(x - q) + p, p > q

A different function, y = f(x) is pictured below. The graph meets the x axis at (2,0) and crosses the y at (0,1) Apply the same transformations above stating clearly any points where the graph touches of meets the coordinate axis.

