

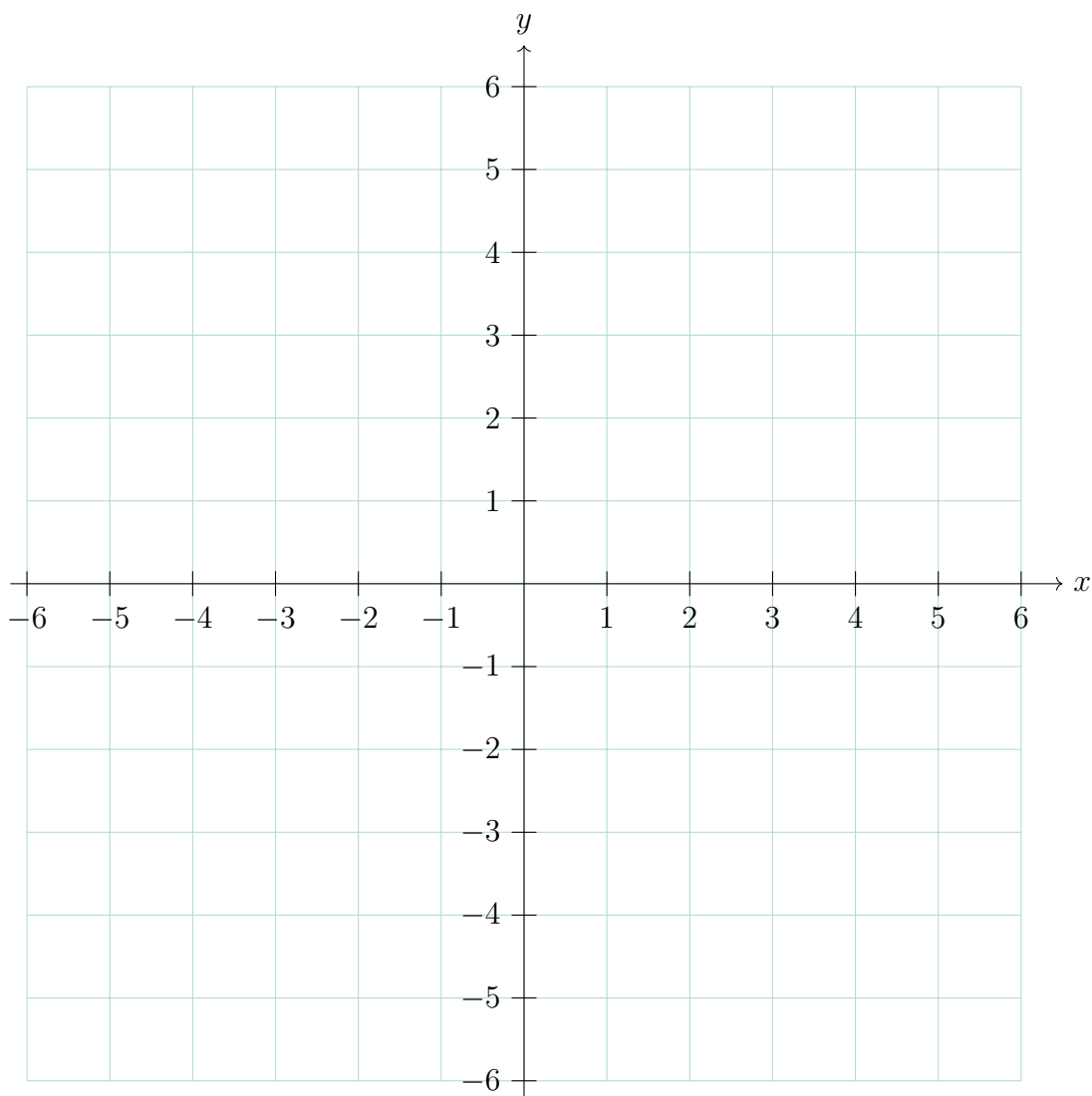
Name:

Group 1

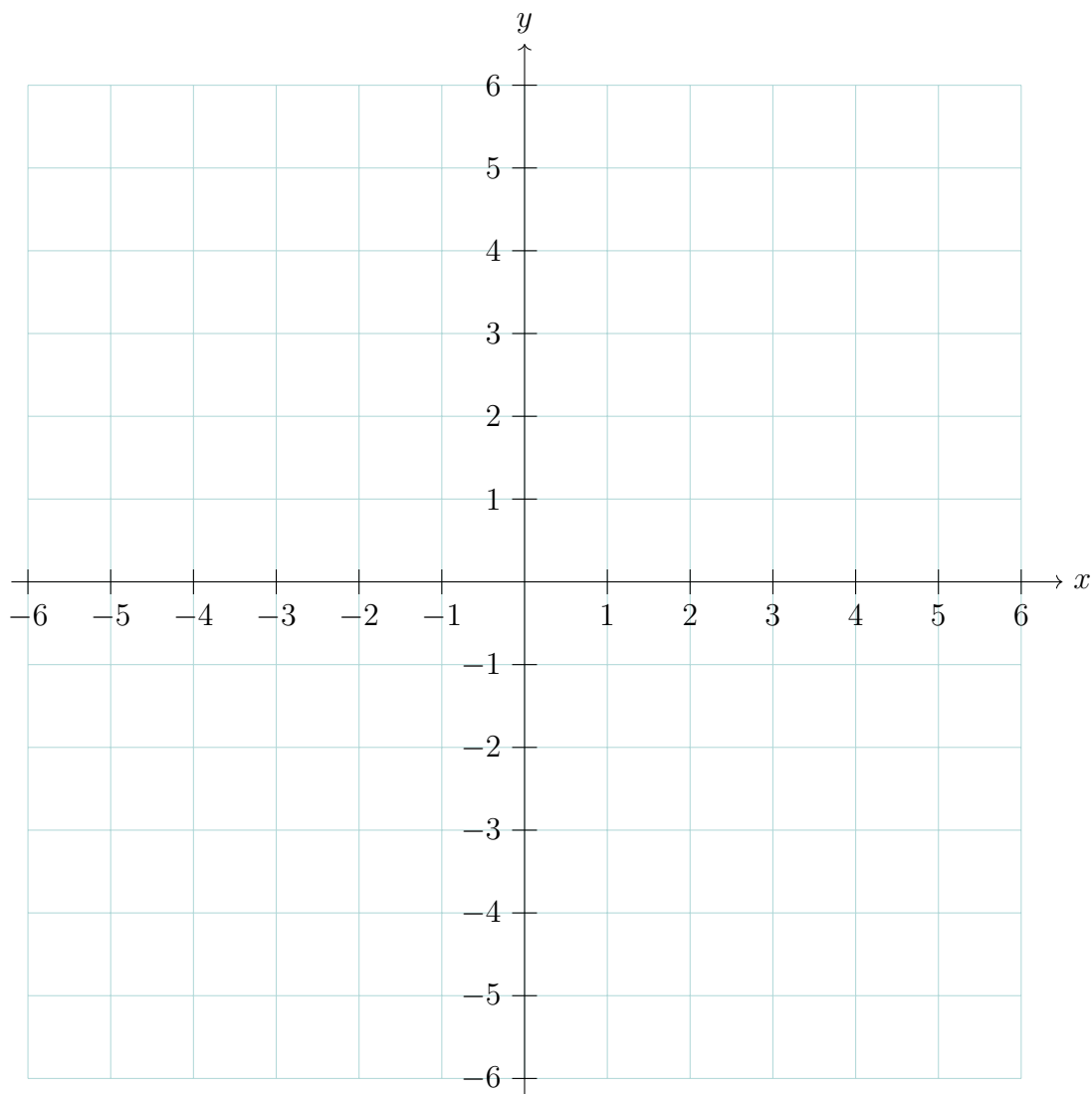
Result:

1. (9 points)
Sketch the following functions. Clearly indicate any asymptotes and axes intercepts.

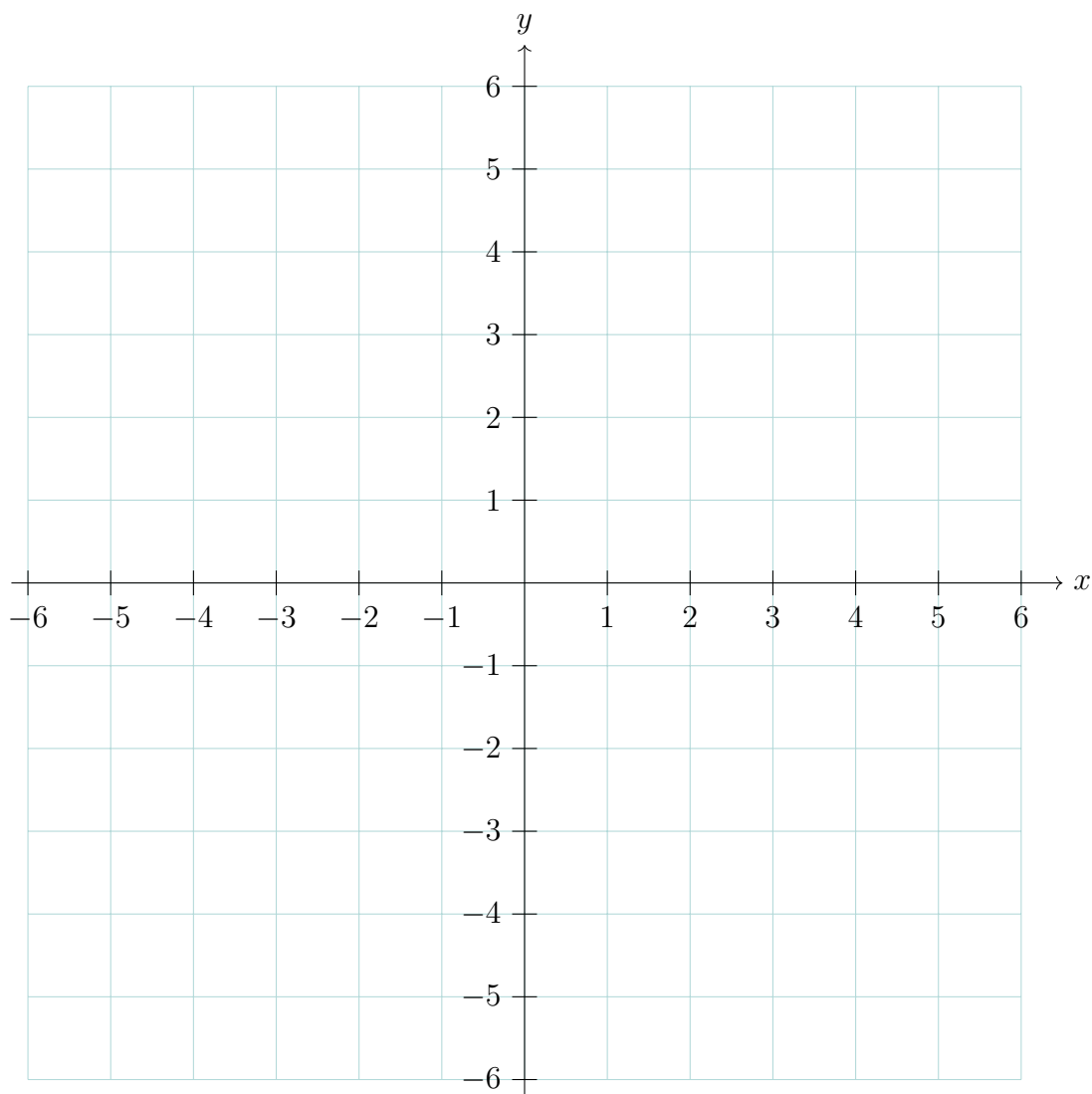
(a) $f(x) = -2^x + 3$



(b) $g(x) = |2^{-x} - 2|$



(c) $h(x) = \frac{1}{2^x - 1}$



2.*(7 points)*

Solve the following equations:

(a) $7 \times 8^x + 2 = 30$

(b) $9 \times 27^x = \frac{\sqrt{3}}{3^x}$

(c) $4^{x+1} + 8 = 33 \times 2^x$