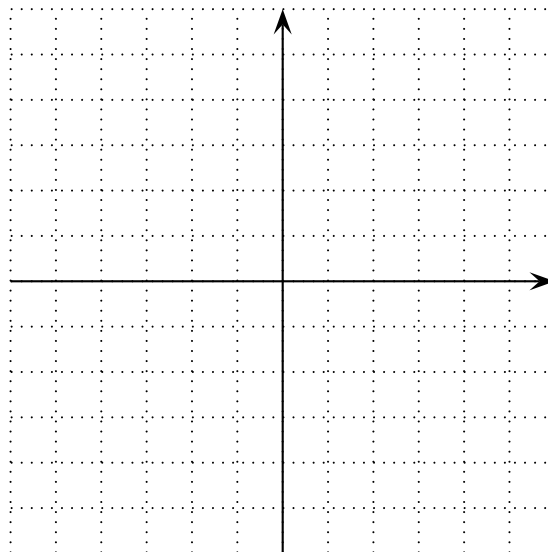


(b) Sketch both $y = f(x)$ and $y = f^{-1}(x)$ on the same set coordinates.



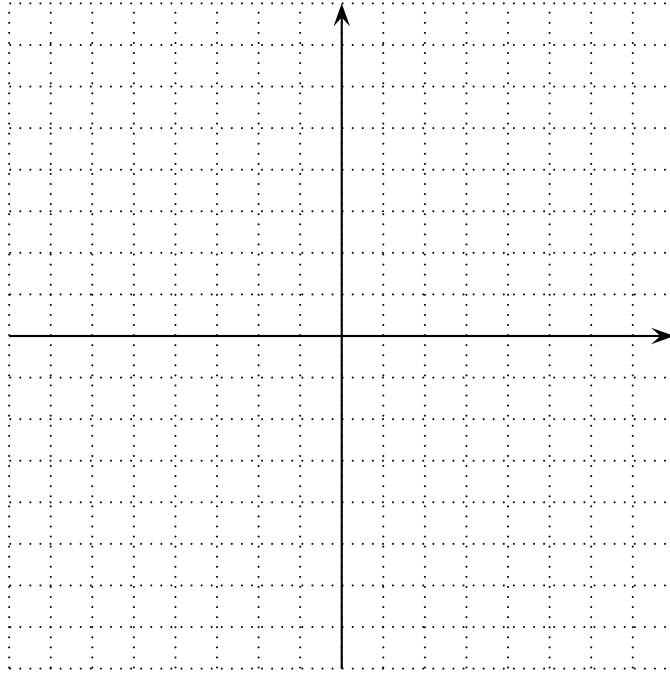
4. Solve: $x^3 + 3x^2 - 9x + 5 = 0$

5. Solve: $\log_3(2x + 1) - \log_3(x - 2) = 2$

6. Sketch a graph of the rational function:

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

The graph should correctly reflect end behavior, x and y intercepts, and possible asymptotes



7. Sketch a complete cycle of $y = -\cos(2x - \pi)$

