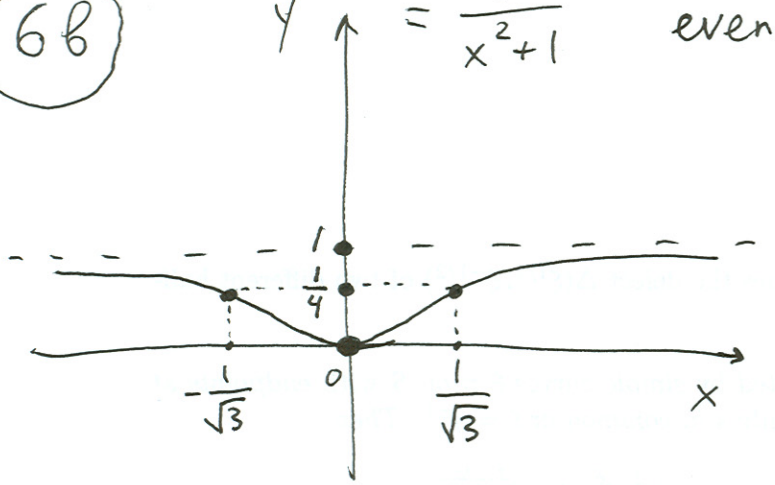
6b

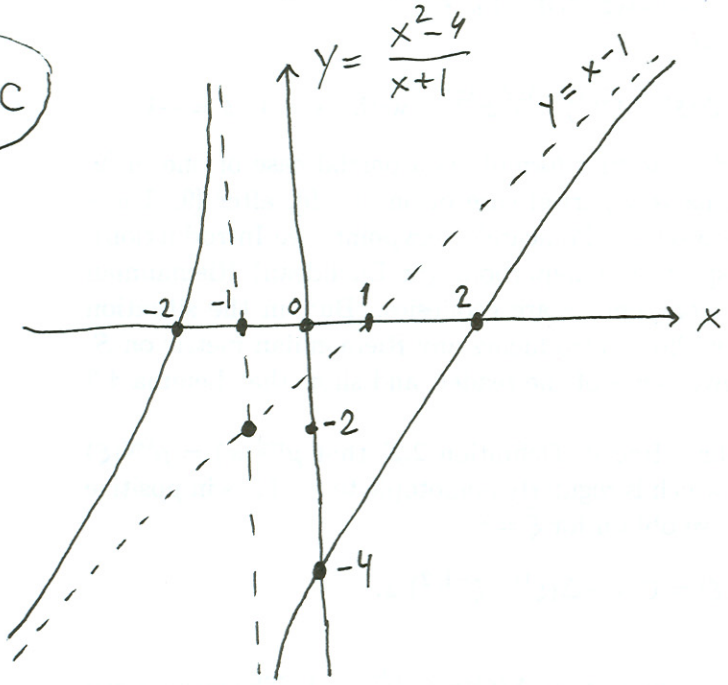
$y = \frac{x^2}{x^2+1}$ even



symmetric in y-axis

6c

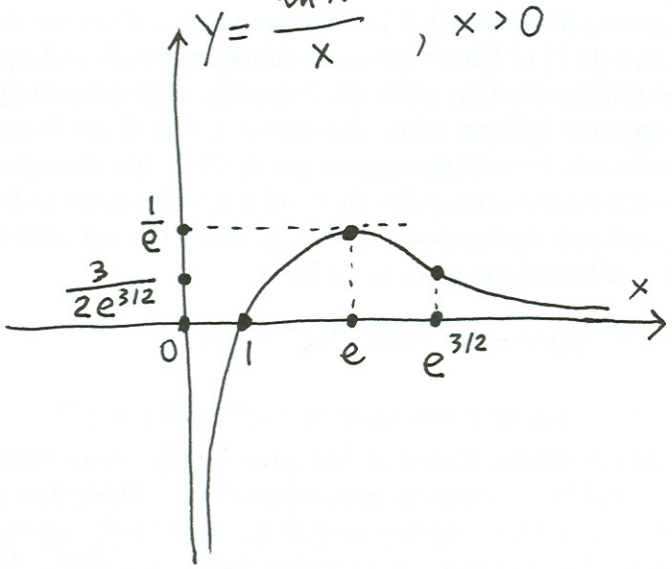
$y = \frac{x^2-4}{x+1}$



symmetric in $(-1, -2)$

6d

$y = \frac{\ln x}{x}$, $x > 0$



no symmetries