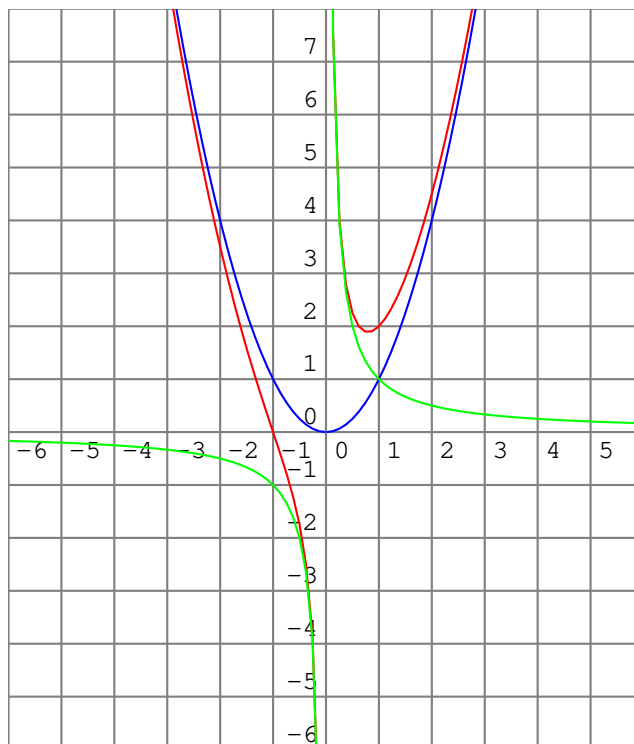# MATH 6: ASSIGNMENT 19

In class we drew a graph of a function

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

We carefully examined $y = x^2$ (blue) and $y = 1/x$ (green) and looked what happens if one adds these two graphs (red).

For the homework, please do the same for the following graphs:

1. $y = x + \dfrac{1}{|x|}$

2. $\sqrt{x} + \dfrac{1}{x}$

3. $x - \dfrac{1}{x^2}$