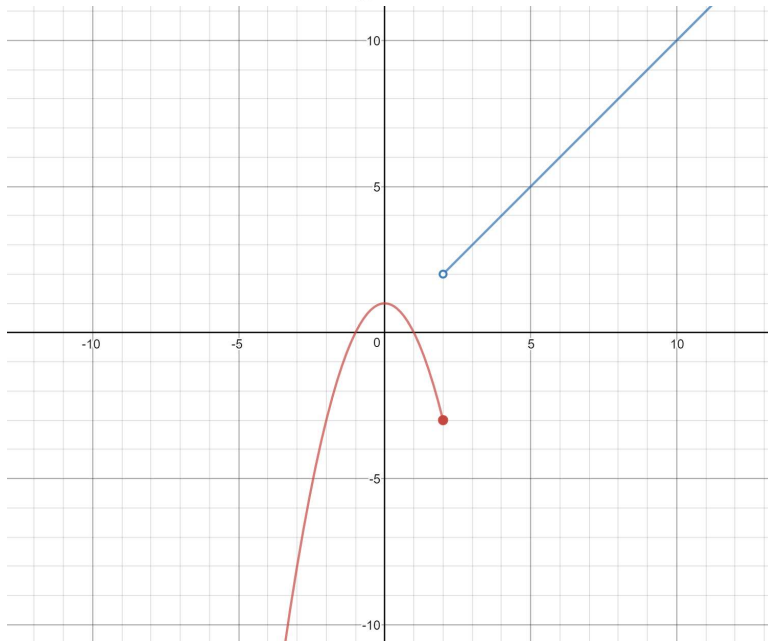
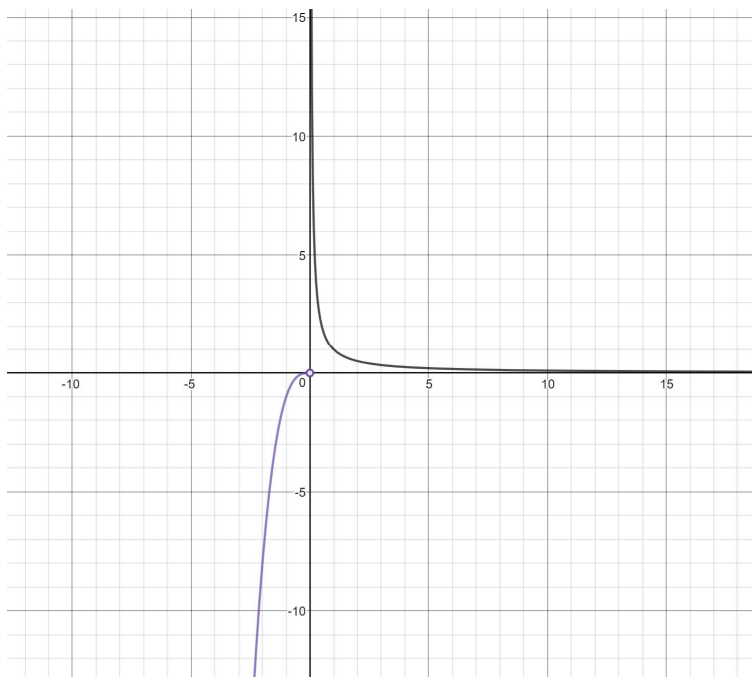


$$1. f(x) = \begin{cases} 1 - x^2 & \text{if } x \leq 2 \\ x & \text{if } x > 2 \end{cases}$$



$$2. f(x) = \begin{cases} x^3 & \text{if } x < 0 \\ \frac{1}{x} & \text{if } x > 0 \end{cases}$$



$$3. f(x) = \begin{cases} -x + 4 & \text{if } x \leq -5 \\ x^2 & \text{if } -5 < x < 1 \\ \sqrt{x} & \text{if } x \geq 1 \end{cases}$$



$$4. f(x) = \begin{cases} 1 & \text{if } x < 0 \\ \sqrt{x} & \text{if } x > 0 \end{cases}$$

