

分母と1



次の関数のグラフをかけ。また、その定義域と値域を求めよ。

(1) $y = -\frac{2}{x-1} + 3$

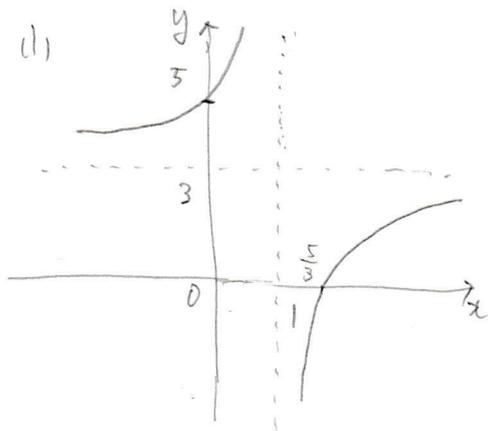
(2) $y = \frac{2x+4}{x+3}$

(3) $y = \sqrt{-2x+3}$

(4) $y = -\sqrt{3x+3}$

$$-\frac{2}{x-1} = 3$$

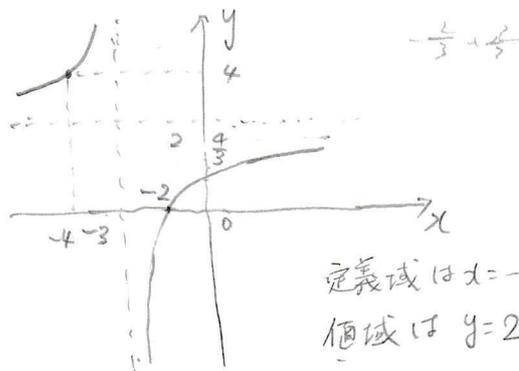
$$-2 = 3x - 3$$



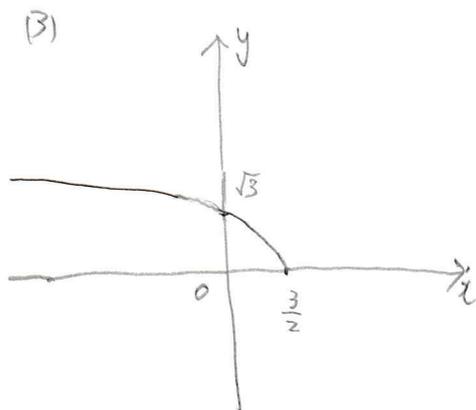
定義域は $x \neq 1$
 値域は $y \neq 3$

(2) $y = \frac{2(x+3)-2}{x+3}$

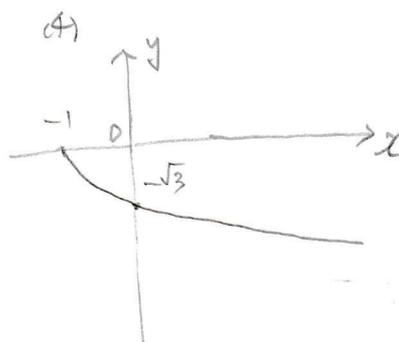
$$y = \frac{-2}{x+3} + 2$$



定義域は $x \neq -3$
 値域は $y \neq 2$



定義域は $x \leq \frac{3}{2}$
 値域は $y \geq 0$



定義域は $x \geq -1$
 値域は $y \leq 0$