

MONDAY TEST
1.1 TO 1.4

MU#2 **11**
 1.3 # 27-52 divisible by 3
 Matching quiz:
 Families of functions

Collection #3 **14**
Lab 1.1 rm 350
 1.4 Detailed Notes
PARENT NIGHT

15
 1.4 Ex: #1-30 divisible
 by 3

Quiz 1.2 to 1.4 **16**
 1.4 Ex: 16, 18, 20, 22,
 36, 38, 42; **Read pp.127**
to 129 & take notes

17
1.5 Detailed Notes:
 pp.129 to 134.
QR: #1-9 odd

18
1.5 Ex: # 3, 5, 7, 9-21 odd
 23, 25, 27, 31

5 minute check-place on a 1/2 sheet of paper. Label.

Find the domain of the function and express it in interval notation.

1. $f(x) = \frac{x+1}{x+4}$

2. $f(x) = \sqrt{x+1}$

3. $f(x) = \frac{1}{\sqrt{x+1}}$

4. $f(x) = \sqrt{\log x}$

5. $f(x) = 4$

Find the domain of the function and express it in interval notation.

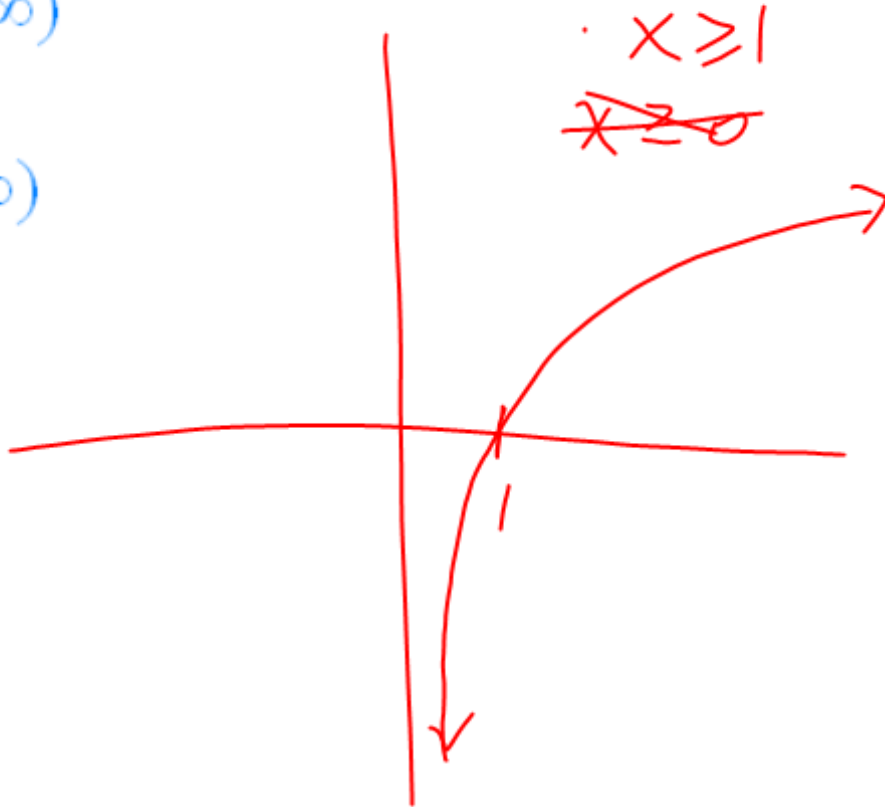
$$1. f(x) = \frac{x+1}{x+4} \quad (-\infty, -4) \cup (-4, \infty)$$

$$2. f(x) = \sqrt{x+1} \quad [-1, \infty) \quad x+1 \geq 0 \quad x \geq -1$$

$$3. f(x) = \frac{1}{\sqrt{x+1}} \quad (-1, \infty)$$

$$4. f(x) = \sqrt{\log x} \quad [1, \infty)$$

$$5. f(x) = 4 \quad (-\infty, \infty)$$

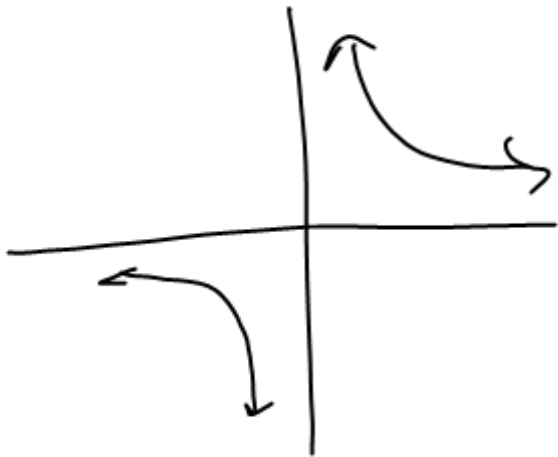


$$f(x) = \sqrt{x+1}$$

$$g(x) = \frac{1}{x}$$

$$f \circ g(x) = f(g(x))$$

$$\mathbb{R} \geq -1$$



Range $\mathbb{R} \cup$
 $(-\infty, 0) \cup (0, \infty)$