

SHEET # 431:

NAME: _____

REVIEW QUESTIONS = RATES OF CHANGE, CONCAVITY,
EXPONENTIAL & LOGARITHMIC FUNCTIONS.

PERIOD: _____

1. a) FIND SUCCESSIVE AVERAGE RATES OF CHANGE
 $t=0$ to $t=2$, $t=2$ to $t=4$, etc.
b) IS $f(t)$ CONCAVE UP OR CONCAVE DOWN?

t	0	2	4	6	8
$f(t)$	-7	-5	-2	3	9

2+3. FIND THE ANSWERS FOR THE TWO FUNCTIONS

a, ASYMPTOTE(S)

b, Y-INTERCEPT(S)

c, ZERO(ES)

d, DOMAIN

e, RANGE

f, $f(2)$, $g(2)$

g, Solve for x :
 $f(x) = 1$
and
 $g(x) = 1$.

2. $f(x) = 3 \ln(x+5) - 2$ | 3. $g(x) = 3e^{x-5} - 2$.