

BE-1B TUESDAY 3-25-08

① GRAPH  $y = 3^x$

② GRAPH  $y = \left(\frac{1}{4}\right)^x$

③ WHAT KIND OF FUNCTIONS ARE ① & ②?

④ The "base" has SEVERAL RESTRICTIONS  
in the type of function SHOWN in  
① and ②, WHAT ARE THESE RESTRICTIONS?

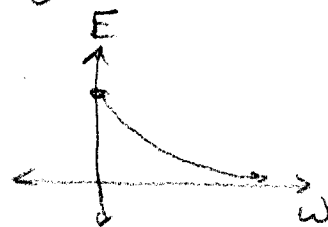
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\* TAKE OUT homework  $\Rightarrow$  Pg 557 #1, 2,  
define asymptote.

Ex 3  $\Rightarrow$  graphing calculator demo

Pg 556

$$E = 49.9 \cdot 0.692^w$$



Ex 4  $\Rightarrow$  Identifying Exponential Functions

Pg 551

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Practice: graphing exponential functions

Pg 538

# 4, 5

and using the graph to

approximate exponential values.

(check with a calculator)

#7  $\Rightarrow$  Finding y intercept

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Homework: Pg 558-559

# 13, 16, 20, 21, 28  $\rightarrow$  31.