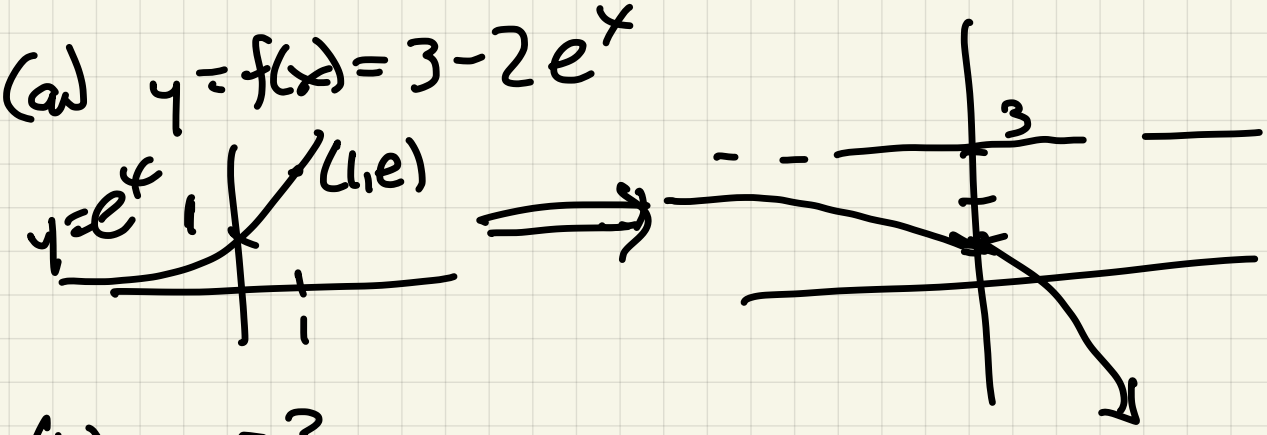
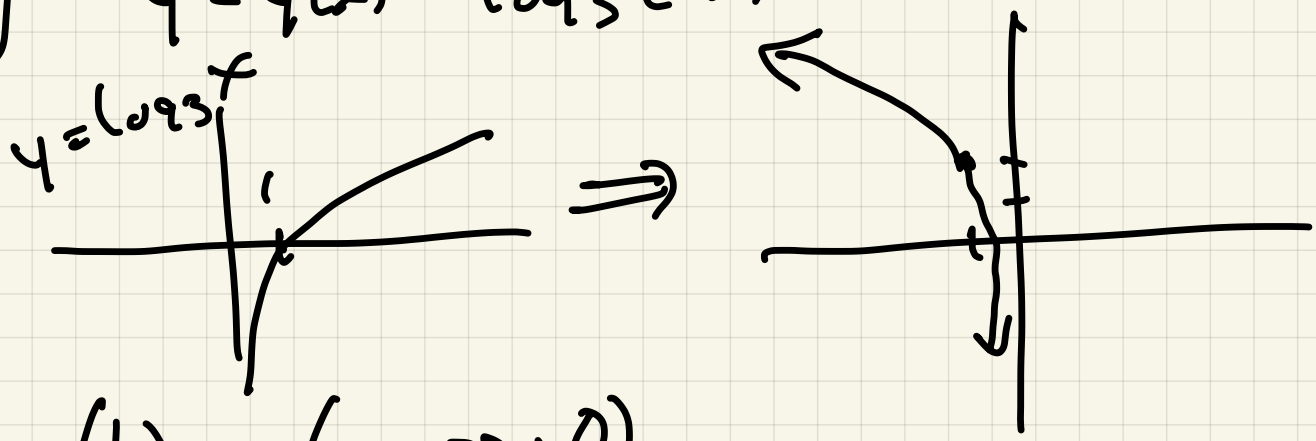
Quiz 21

1 (a) $y = f(x) = 3 - 2e^x$



(b) $y = 3$

2 $y = g(x) = \log_3(-x) + 2$



(b) $(-\infty, 0)$

(c) $2 + \log_3(-x) = 0 \Rightarrow$

$\log_3(-x) = -2 \Rightarrow$

$-x = 3^{-2} = \frac{1}{9} \Rightarrow$

$x = -\frac{1}{9}$