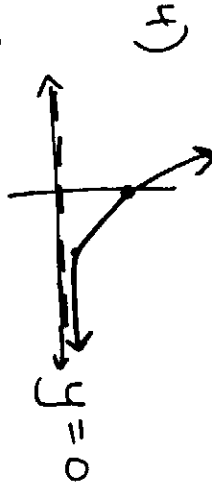
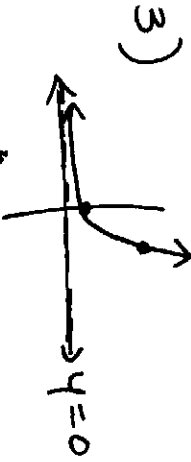


Alg. 2 - Review 8.1-8.4

1) growth

2) decay



4) $y = 18000(0.75)^x$
 $y = 18000(0.75)^4$
 $= \$5695.31$

5) $y = 1573(1.02)^x$
 $y = 1573(1.02)^{10}$
 $= 1917$

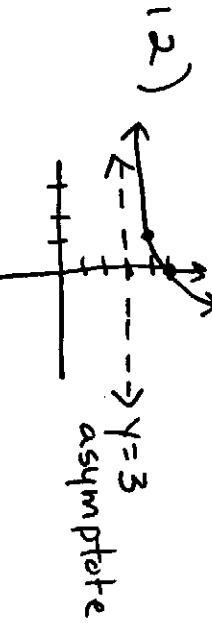
6) 1.45

7) 0.6

8) 25% decrease

9) 73% increase

10) $A = 20000e^{.0375(2)}$
 $= \$21,557.68$



11) $10^1 = 10$

12) $8^{-2} = \frac{1}{64}$

13) $\log_5 625 = 4$

14) $\log_{11} 1 = 0$

15) 4

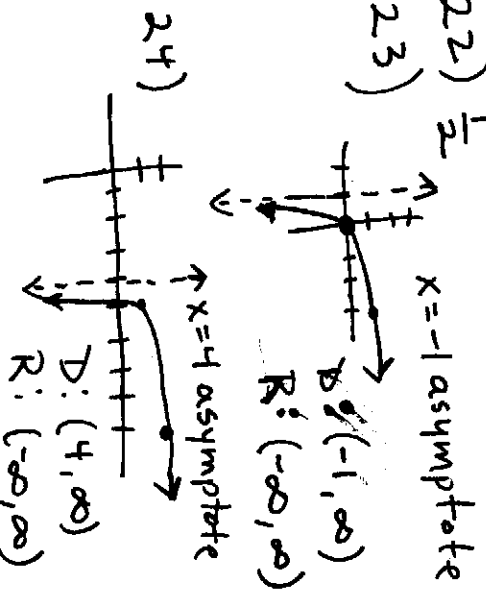
16) 1

17) 5

18) -3

19) $\frac{1}{2}$

20) 23



21) $\log_4 15x$

22) $\log x^7$

23) $\log \frac{\sqrt{x} \sqrt[3]{y}}{z^2}$

$$28) \log u + 3 \log x + \log y$$

$$29) \frac{1}{2} \log a + \frac{1}{2} \log r + \frac{1}{2} \log s + \frac{1}{2} \log t - \frac{1}{2} \log 5 - \frac{1}{2} \log w$$

$$30) \log a + 2 \log x + \log y - \log 3 - 3 \log k$$