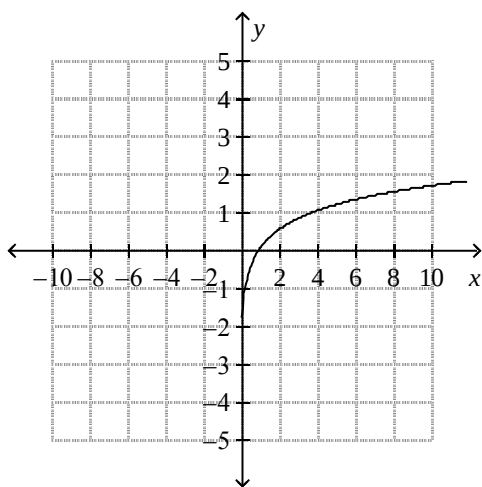


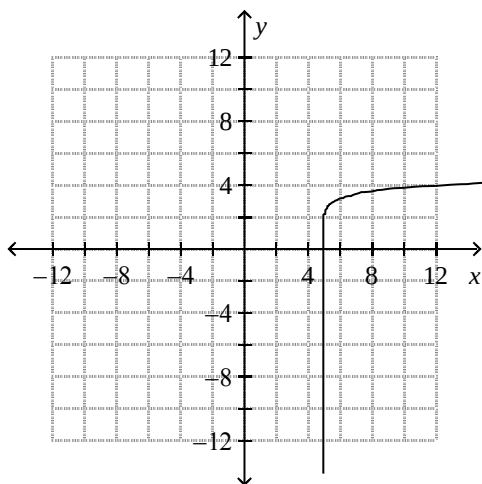
Exponential and Log Review - SOLUTIONS

1. -2
2. 4
3. $16^{\frac{3}{4}} = 8$
4. $\log_5 25 = 2$
5. $\log_4 256 = 4$
6. $\log_8 (t^6 w^7)$
7. $\log_3 2$
8. $\log_5 a - \log_5 6$
9. $\log_3 11 + 3\log_3 p$
10. $\ln \frac{b^2}{c^4}$
11. 5
12. 3
13. 5
- 14.

22. 0.3375
23. 47
24. $x = 80$
25. 0.173
26. 0.257
27. 0.430
28. 596.2
29. About 12.5% interest
30. About 16.7 years
31. After about 18.3 years
32. Around 41 years



15.



16. $y = 3^x - 1$
17. $y = 4^x + 3$
18. 12.1
19. 1.6×10^{-3}
20. 6.150
21. 1.4576