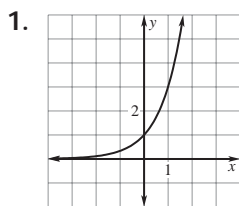


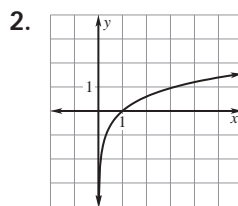
Answer Key

Test B

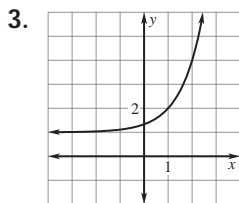
Graph 1–6 on graph paper



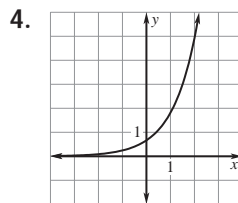
Domain:
all real numbers
Range: $y > 0$



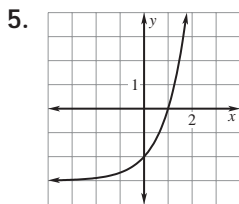
Domain: $x > 0$
Range:
all real numbers



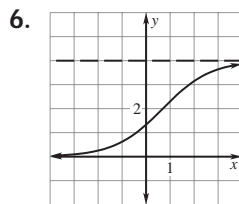
Domain:
all real numbers
Range: $y > 1$



Domain:
all real numbers
Range: $y > 0$



Domain:
all real numbers
Range: $y > -3$



Domain:
all real numbers
Range: $0 < y < 4$

7. $-e$ 8. $-\frac{8}{e}$ 9. -2 10. 5 11. e^7
12. -4 13. -4 14. 0 15. 3 16. 16
17. 1 18. $\ln 5$ 19. 6 (-2 is extraneous)
20. exponential growth 21. $y = 7^x$
22. 6.644 23. -0.903 24. $\log \frac{7}{b}$
25. $\ln 5 + \ln x - \ln 2$ 26. 3.169
27. $y = 100\left(\frac{1}{2}\right)^x$ 28. $y = 2.583x^{0.6309}$
29. $y = 18,000(.88)^t$; \$13,939 30. \$1161.83