

1. $A = \frac{C^2}{4\pi}$

2. $\frac{-2x}{y^2}$

3. $\frac{m}{3r^n}$

4. $\frac{a^2b^2}{a+b}$

5. $f^{-1}(x) = \frac{1-4x}{3}$

6. 7

7. $\frac{-1}{8}$

8. (-3,2)

9. $t = \frac{1}{3}$

10. $14u^3 + 12u - 6$

11. $16x^2 + 22x + 8$

12. $2y(2x-3)(2x+3)(4x^2+9)$

13. 4

14. 4

15. $\frac{2m-v}{m}$

16. $\frac{2c-1}{c-2}$

17. $-a-x$

18. $z = -5$

19. $x = \frac{6b-a}{15-b}$

20. $r = \frac{s-a}{s-2}$

21. $R = \frac{abV}{3b-a}$

22. $t = \frac{9}{2}, -2$

23. $s = 0, 2, -1$

24. $m = 2, -2, -3$

25. $p = \frac{-4}{3}, 1$

26. 93%

27. $w(w+6) = 84$

28. \$579.00

29. $C(x) = 35 + 0.12(x-200)$

30. $t = -2 \pm 2\sqrt{2}$

31. $y = 0, \frac{7}{3}$

32. $z = 2 \pm i\sqrt{2}$

33. $x = 3$

34. $x = 3$

35. $r \geq -1$

36. $\frac{35}{4}$

37. $\frac{25}{4}$

38. $(-\infty, -4]$ or $[3, \infty)$

39. $(-\infty, \frac{4}{5}]$

41. $(\frac{-1}{2}, 0), (-6, 0), (0, 6)$

42. $y = |x| + 2$

43. $\sqrt{65}$

44. $(\frac{3}{2}, 5)$

54. $t = \frac{-3}{2}$

45. $y > 0$

57. $\log_5 a = b$

46. $2y - 3x + 14 = 0$

58. $\log\left(\frac{\sqrt{xy^4}}{z^2}\right)$

47. $f(-4) = \frac{-7}{4}$

59. $t = \frac{3}{4}$

48. $f(b+2) = -3b - 4$

60. $r = \frac{-\ln 3}{2}$

49. $\{x | x \neq 4, -3\}$

61. $y = \frac{9}{8}$

50. $h(3) = -5$

62. $x = \frac{1}{10}, y = \frac{-2}{15}$

51. Domain $[-3, 4]$
Range $[-2, 2]$

63. $-2 < x < 2$

52. $(5, -5)$

64. $a = \sqrt{64 - m^2}$

53. $g(f(-2)) = -1$

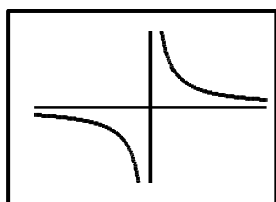
65. $\frac{B}{\sqrt{B^2 + 1}}$

66. $y = \cos\left(\frac{\pi x}{2}\right)$

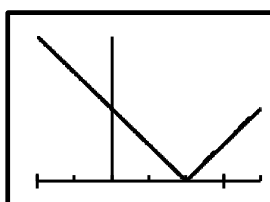
67. $-\sin \theta$

68. $-\frac{1}{2}$

40.



55.



56.

