

36. To which family of functions do the following belong? A. _____ B. _____
 A. $y = 3x^2 - 1$ B. $2x + 3y = 5$ C. $y = |2x + 3|$ C. _____

37. If $f(x) = x^3 - 2x^2 + 3$ find the range if the domain is $\{-3, -1, 0, 2\}$ _____

Solve for the given variable.

38. $3r + 4 = s ; r$ 39. $ax + by = c ; y$ 38. _____ 39. _____

40. $\frac{m}{r} = \frac{p}{x} ; p$ 41. $V = LWH ; W$ 40. _____ 41. _____

42. Find the slope of the line parallel to $3x + 4y = 12$ 42. _____

43. Find the slope of the line perpendicular to $4x - 2y = 9$ 43. _____

44. Solve $y = 3x - 6$
 $y = -x + 2$

45. Solve $x + y = 4$
 $2x + 2y = 8$

46. Solve $2x + y = 3$
 $x - 2y = 4$

47. Solve $x^2 - 4 = 0$

48. Solve $x^2 - x - 6 = 0$

47. Solve $3x^2 + 2x - 1 = 0$

SIMPLIFY Write your answers with **POSITIVE** exponents.

48. $\frac{m^2 n^{10} p}{m^3 n^5 p^3}$

49. $\frac{p^3 q^4 r}{p^3 q^6 r^2}$

50. $(-4x^3 y)^2$

51. $(5x)^2 + 5x^2$

52. $\frac{\sqrt{32}}{\sqrt{2}}$

53. $\sqrt{12} + \sqrt{24} - \sqrt{36}$

54. $2x(3x + 5) + 4(3x + 5)$

55. $(3a^3 + 2a^2 - 5) - (a^3 + a^2 + 2)$

56. $(-w + 3)(w + 3)$

57. $(3m + 2)(m - 4)$

58. $(2x + 5)^2$

59. $(3y - 7)^2$

60. $(2t^2 - 6t + 3)(2t - 5)$