53. x^3+64

54. $27a^3+125y^3$

55. $8a^3-27b^3$

56. $1-64a^3$

57. $16a^4+54a$

58. $8a^3-b^3-4ax+2bx$

59. $(a+b)^3-(a-b)^3$

60. $(a+b)^3-8$

61. a^3+b^3+a+b

62. a^3-b^3-a+b

63. $a^3-2\sqrt{2}b^3$

64. x^6-y^6

65. $(2x-3y)^3-(2x-3y)^3$

66. $a^3+3a^2b+3ab^2+b^3-8$

67. $a^3+27b^3+8c^3-18abc$

68. $a^3-8b^3+64c^3+24abc$

69. $2\sqrt{2}a^3+8b^3-27c^3+18\sqrt{2}abc$

70. $a^3-b^3+1+3ab$

71. $2\sqrt{2}a^3+16\sqrt{2}b^3+c^3-12abc$

72. $(a-b-c)(a^2+b^2+c^2+ab+bc+ca)$

73. $(3x-5y-4)(9x^2+25y^2+15xy+12x-20y+16)$

74. $(p-q)^3+(q-r)^3+(r-p)^3$

75. $(3a-2b)^3+(2b-5c)^3+(5c-3a)^3$

76. $(5a-7b)^3+(9c-5a)^3+(7b-9c)^3$

77. $a^3(b-c)^3+b^3(c-a)^3+c^3(a-b)^3$

78. $125-8x^3-27y^3-90xy$

79. $(x-2y-z)(x^2+4y^2+z^2+2xy-2yz+zx)$

80. $(x-2y+3)(x^2+4y^2+2xy-3x+6y+9)$

81. Prove that $\dfrac{0.87\times0.87\times0.87+0.13\times0.13\times0.13}{0.87\times0.87-0.13\times0.87+0.13\times0.13}=1$

82. Simplify $(x+y)^3-(x-y)^3-6y(x^2-y^2)$

83. Prove that $a^3+b^3+c^3-3abc=\dfrac{1}{2}(a+b+c)\{(a-b)^2+(b-c)^2+(c-a)^2\}$

84. Prove that $2(a^3+b^3+c^3-3abc)=(a+b)^3+(b+c)^3+(c+a)^3-3(a+b)(b+c)(c+a)$

85. simplify $\dfrac{(a^2-b^2)^3+(b^2-c^2)^3+(c^2-a^2)^3}{(a-b)^3+(b-c)^3+(c-a)^3}$

86. If $x=y=333$ *and* $z=334$, Find the value of $x^3+y^3+z^3-3xyz$

87. Factorise $(x^2+5x+4)(x^2+5x+6)-15$

88. Factorise $x^2-a^2+x-7a-12$

89. If $x+\dfrac{1}{x}=3$ Find the value of $x^5+\dfrac{1}{x^5}$.

90. If $\dfrac{a}{b}+\dfrac{c}{d}=\dfrac{b}{a}+\dfrac{d}{c}$, Show that $\dfrac{a^3}{b^3}+\dfrac{c^3}{d^3}=\dfrac{b^3}{a^3}+\dfrac{d^3}{c^3}$