

$$Y_1(x) = -8x ; [0, 1]$$

$$Y_2(x) = (5/9)x^2 ; [-3, 3]$$

$$Y_3(x) = (x + 2)^2 + 4 ; [-3, -1]$$

$$Y_4(x) = (x + 0)^2 + 4 ; [-1, 1]$$

$$Y_5(x) = (x - 2)^2 + 4 ; [1, 3]$$

$$Y_6(x) = (-1)(x - 4)(x - 8) ; [1, 5]$$

$$Y_7(x) = (-3/4)(x - 4)(x - 6) ; [1, 5]$$

$$Y_8(x) = (-2/9)(x + 4)(x + 4) ; [-2, 1]$$

$$Y_9(x) = (-5/24)(x + 4)(x + 5/22) ; [-2, 1]$$

