Matrixform:

5)
$$d_i - Werbe:$$

$$d_0 = \frac{1}{3h_0} (c_1 - c_0) = 0.425$$

$$d_1 = \frac{1}{3h_1} (c_2 - c_1) = -1$$

$$d_2 = \frac{1}{3h_2} (c_3 - c_2) = 0.575$$

$$S_0 = 6 - 3.2(x - 4) + 0.425(x - 4)^3$$

$$S_1 = 3 - 1.9(x - 6) + 2.55(x - 6)^2 - 1(x - 6)^3$$

$$S_2 = 9 + 0.1(x - 8) - 3.45(x - 8)^2 + 0.575(x - 8)^3$$