		٦
	_	
•	•	
-	и	
•		
•	•	

х	1	2	3	4
y	1	3	4	3

х	1	2	3	4
y	8	5	4	0

X3-6x2-7x-6

$$P(x) = y_0 + \frac{\Delta y_0}{h} (x-x_0) + \frac{\Lambda^2 y_0}{2! h^2} (x-x_0)(x-x_1) + \frac{\Lambda^3 y_0}{3! h^3} (x-x_0)(x-x_1)(x-x_1)$$

$$P(x) = 1 + \frac{2}{1}(x-1) + \frac{-1}{2! \cdot 1^2} (x-1)(x-2) + \frac{-1}{6} (x-1)(x-2)(x-3)$$

$$P(x) = 1 + \frac{2}{1}(x-1) + \frac{-1}{2! \cdot 1^2} (x-1)(x-2) + \frac{-1}{6} (x-1)(x-2)(x-3)$$

$$P(x) = 1 + \frac{2}{1}(x-1) + \frac{-1}{2! \cdot 1^2} (x-1)(x-2) + \frac{-1}{2! \cdot 1^2} (x-1)(x-2)(x-3)$$

$$P(x) = 1 + \frac{2}{1}(x-1) + \frac{-1}{2! \cdot 1^2} (x-1)(x-2) + \frac{-1}{2! \cdot 1^2} (x-1)(x-2)(x-3)$$

$$P(x) = 1 + \frac{2}{1}(x-1) + \frac{-1}{2! \cdot 1^2} (x-1)(x-2) + \frac{-1}{2! \cdot 1^2} (x-1)(x-2)(x-3)$$

$$P(x) = 1 + \frac{2}{1}(x-1) + \frac{-1}{2! \cdot 1^2} (x-1)(x-2) + \frac{-1}{2! \cdot 1^2} (x-1)(x-2)(x-3)$$

$$P(x) = x + 2x - 2 - \frac{x^2}{2} + \frac{3x}{2} - x - \frac{x^3}{6} + x^2 + \frac{7x}{6} + 1$$

$$P(x) = \frac{-x^3}{6} + \frac{x^2}{2} + \frac{30/x}{16} - 1$$
5x

b) 
$$\times$$
 |  $y_0$  |  $\Delta y_0$  |  $\Delta^2 y_0$  |  $\Delta^3 y_0$  |  $\Delta$ 

$$P(x) = 8 + \frac{-3}{1}(x-1) + \frac{24}{2! \cdot 1^2}(x-1)(x-2) + \frac{-5}{3! \cdot 1^3}(x-1)(x-2)(x-3)$$

$$P(x) = 8 - 3x + 3 + x^2 - 3x + 2 - \frac{5x^3}{6} + 5x^2 + \frac{35x}{6} + 5$$

$$P(x) = -\frac{5x^3}{6} + 6x^2 + \frac{29x}{6} + 10$$