

#1 1,0

$$w = \frac{600}{57} = \{w = 11, 6385\}$$

ancho = 11.6385

altura = 0.0939

L = Ab + Aarcho

L= 2(11.5386) + 2(2(11.5385) (0.0939)) + 2(11.5385) (0.0959)

C= 26(11.53)5)2+48(h)(w)

costo mínimo = 3613.6679

$$f(b) = f(1) = (1)^3 - 3(1)^2 - 4(1) + 2$$

$$f(1) = -4$$

$$f(c) = \frac{-4-2}{1-(-1)} = -3$$

$$f(c) = 3c^{2} - 6c - 4$$

 $-3 = = 3c^{2} - 6c - 4$
 $0 = 3c^{2} - 6c - 1$

6 2,3

#7 20

()
$$f'(c) = -3$$

$$f'(c) = \frac{-4-2}{1-(-1)} = -3$$

$$98 - \frac{14(x-7)^{2}}{3} - \frac{65(x-7)^{2}}{18}(x-7)^{2} - \frac{887(x-7)^{3}}{1134} - \frac{23651(x-7)^{4}}{95756} - \frac{182803(x-7)^{5}}{1000376} + 0((x-7)^{6})$$

$$\frac{-3(x-7)^{3}}{4} + \frac{3}{224}(x-7)^{3} - \frac{5(x-7)^{3}}{6272} + \frac{45(x-7)^{4}}{702464} - \frac{117(x-7)^{5}}{19668992} + \frac{663(x-7)^{6}}{1001463552} + 0(6x-7)^{7}$$

3,6

70

$$\frac{10^{2} - \sqrt{366x - x^{4} - 7\sqrt{49x}}}{7 - \sqrt{7x^{3}}} - \frac{10^{2} + \sqrt{128(x - 7)}}{27} + \frac{3847(x - 7)^{2}}{3402} + \frac{394397(x - 7)^{5}}{1743072} + \frac{24455005(x - 7)^{4}}{192636046}$$

$$\frac{10^{2} - \sqrt{37x^{3}}}{27} - \frac{10^{2} + \sqrt{37x^{3}}}{27} + \frac{192636046}{192636046}$$

$$\frac{10^{2} - \sqrt{37x^{3}}}{27} - \frac{10^{2} + \sqrt{37x^{3}}}{27} + \frac{192636046}{192636046}$$

$$\frac{10^{2} - \sqrt{37x^{3}}}{27} - \frac{10^{2} + \sqrt{37x^{3}}}{27} + \frac{192636046}{267867654} + \frac{10^{2} + \sqrt{37x^{3}}}{267867654} + \frac{10^{2} + \sqrt{37x^{3}}}{27} + \frac{10^{2$$

$$x^{12} \int 132 = 1502154$$

$$x^{12} = 132$$

$$x^{2} - 132 = 0$$

$$f(x) = x^{12} - 132 = 39640000$$

$$f(2) = (9)^{12} - 132 = 39640000$$

$$f(3) = (3)^{12} - 132 = 531364.0000$$

$$f(4) = (4)^{12} - 132 = 167770840000$$

$$f(6) = (5)^{12} - 132 = 2441404920$$

J(6)= (6)2-132=2176782204.0

$$71 = 2$$

$$P(x) = 12x''$$

$$xe = x_1 - \frac{x_1^2 - 132}{12x''} = 1.838704$$

$$x_3 = x_2 - \frac{x_2^{12} - 132}{12 \times 10^{-13}} = 7.699023$$

$$\chi_{4} = \chi_{3} - \chi_{5}^{2} - 132 = 1.589737$$

$$76 = 74 - \frac{x4^2 - 132}{12x4} = 7.52473$$

$$X_6 = \chi_5 - \frac{\chi_5^{12} - 132}{12 \chi_5^{12}} = 1.503851$$

#12 4,6

$$77 = \times 6 - \frac{{\chi_{6}^{12} - 132}}{{12 \, {\lambda_{6}^{11}}}} = \times 7 = 7.502164$$

X7=1.502.164

3x2 + 1x+3

a)
$$h=10$$

$$\Delta x = \frac{b-a}{h}$$

$$\Delta x^2 = \frac{7.2}{10} = \boxed{0.5}$$

		4
7/1	2 10.5	7.5
XI	7.6 7 0.5	3.0
λ3	3.0 4 0.5	3.5
χγ	3.5 + 0.5	4.0
715	4.0 + 0.5	4.5
~ {	4.5 + 0.5	5.0
כא	5.0 + 0.5	5-5
78	5.5 + 0.5	6-6
X 9	6.0 + 0.5	6.5
710	6.5 + 0.5	7.0

$$J(x) = 3x^2 + 1x+3$$

$$F(6.5) = 3 (6.5)^{7} + 1(6.5) + 3 = 136.2500$$

b) 408.1250 - 392.5 = 35.625

36.685 \$ 100 = 8.7289%

T8. 7289 %