22. (1)
$$P(X) = \alpha_0 + \alpha_1 x + \alpha_2 x^2 + \alpha_3 x^3$$

$$P'(x) = \alpha_1 + 2\alpha_2 x + 3\alpha_3 x^2$$

$$0 = P(0) = \alpha_0$$

$$0 = P'(0) = \alpha_1$$

$$1 = P(1) = 2\alpha_1 + 3\alpha_2$$

$$1 = P'(1) = 2\alpha_2 + 3\alpha_3$$

$$2\alpha_3 = -1$$

$$P(x) = 2x^2 - x^3$$
(2) 由 $P(0) = 0$, $P'(0) = 0$ 知语 $P(0) = 0$ 和语 $P(0) = 0$ 和語 $P(0$

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33. (1)= 2 = 2+ b+(-1 --- 0)
      S'(x) = ( 3x2+2x , 0 < x 4)
         6x2+2bx+c,1<x<2
      5(11) = 3+2=6+26+6 -- (2)
      也①⑤ 省 b=-2, C=3
 图比(11(x) = / 6x+2 , 0<x~)
          112x - 4 , 1 < x < 2
       (5''') = 8, (5'') = 8, (5'') = 8, (5'') = 8
         to b = -2, (=3
   35. A f(x,y)= (2x+4y-11) +(3x-5y-3) + (x+2y-6) + (2x+y-7)
    \frac{d+}{dx} = 2(2x+4y-11)\cdot 2 + 2(3x-5y-3)\cdot 3 + 2(x+2y-6) + 2(2x+y-1)\cdot 2
      = 8x+16y-44 + 18x-30y-18+2x+4y-12+8x+4y-28
         = 36 \times -64 - 102
   \frac{1}{\sqrt{3}} = 2(2X+4\lambda^{-11}) \cdot 4 + 5(3X-2\lambda^{-2})(-2) + 5(X+2\lambda^{-2}) \cdot 5 + 5(2X+2\lambda^{-2})
          = 16x +32y-88 -30x+50y+30 + 4x+8y-24 + 4x+2y-14
  = -bx + 9z y - 9b = 0
= -bx + 9z y - 9b = 0
\begin{cases} \frac{df}{dy} = 5bx - by - 16z = 0 \\ \frac{df}{dy} = -bx + 9z y - 9b = 0 \end{cases} \qquad \begin{cases} x = \frac{830}{273} \\ y = \frac{113}{91} \end{cases}
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