```
1345: 5B
 Varevork #1
Del Del mala
  1. find the qualitation
                                                                                                                                                                                              (b) f(x, y, 7) = x2 12 2"
                   (a) f(x, y, 2) . x - y 3 - 2"
                                                                                                                                                                                                    of(x,y,2)= 2xy32+1+ 3x2y2+1 + 4x2y343 [
                        of(xx=) = 2xî - 3y²5 + 423 E
  2. h(x,y) = 10(2xy - 3x2 - 4y2 - 18x + 28y + 12)
         - [y] mile: morth of Cargnarile
          - s [x] mes at & Cogante
              6) Top f the hill?
                oh(x,y) = 10(124-6x-16, 24-3y +28>)

\frac{1}{2x-3y-23=0} = \frac{2-6}{8} = \frac{3}{2} = \frac{
              To f the hill heal 3 miles morth, 2 miles west of the Conganit
          (b) h(-2,3) = 10(-12-12-36 + 36 + 84 + 12) = 720 ful
        (1) 元·(1,1) 一、 治·(一, 一)
          Dub(1,y): oh. ii = (20y-60x-180) (1/2) + (20x-80y. 280) (1/2)
                                                                                       · (20-102-183) (-1), (20-80), 280) (-1) = 0 (flat)
  Shope is steeperd in clientism of oh(a,y): oh(1,1) = (20-60-180, 20-80+280)
                                                                                                                                                                                                                                                                                                                    16-220, 2207
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(P)
$$\vec{A} = \vec{A} \cdot \vec{A$$

$$\int_{ap}(\hat{x})^{\alpha} \int_{a}^{a} \frac{1}{3x^{\alpha}} \int_{a}^{a} \frac{1}{1} \int_{a}^$$

$$\mathcal{Z}_{n^*}(t).\int_{-\infty}^{\infty}$$

$$\overline{F}_{43} = \frac{3a^{3}}{2} + a^{3} + \frac{a^{3}}{2} = a^{3} \left(\frac{3}{2} + 1 + \frac{1}{2} \right) = 0$$

$$\iint_{\mathbb{R}} (\overline{y}, \overline{y}) dy = \iint_{\mathbb{R}} (\overline{y}, \overline{y}, \overline{y}) dy dy dy$$

$$\iint_{\mathbb{R}} (\overline{y}, \overline{y}) dy = \underbrace{3x^{2}}_{x} \int_{\mathbb{R}} dy = \underbrace{3x^{2}}_{x} \int_$$

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$$\frac{1}{4\pi} = \frac{1}{4\pi} = \frac{1}{4\pi}$$