6.6 A 1. (b) \$ \$ x = ws0, Z = sising 9€ 141ds = 50 5 5 coso · 5ido + 50 (- coso) 5ido = 35 + 25 = 45 3.(2) 1/2 x= 30050+ 2, y= 9 sind \$ (x+4) ds = [] [[52 a] d0 = = $\frac{\sqrt{1}}{2}a^2\int_0^{\pi}\sqrt{2\cos^2\theta}\,d(\frac{\theta}{2})$ 10.(1)(5): 3=4-2x-4y,其+(x,y)在运线(5:x30,y20,3x+2y=6中 : 1 (2x+ + y+ 2) ds = 1 4 (1+ 2x+ 2y danty do = $\frac{4\sqrt{61}}{3}$ $\iint d\sigma = 4\sqrt{61} \cdot \frac{1}{3} \int_{3}^{3} dy \int_{3}^{2-\frac{2}{3}y} dx$ = 4561 (8) 左大-place, y-psing. Z=p. (6): 1-芒5月5号, 05月52a cos 9 = \$ (xy+yz+ 3x)ds = \$ [[p] (p] sin 0 & 0 sin 0 + p is in 0 + p is = $\int_{2}^{2a\omega s\theta} \int_{2}^{3} d\rho \int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} (\sin\theta \cos\theta + \sin\theta + \cos\phi) d\theta$ = 145 a4