$$c_0, \emptyset_1 = \frac{\overline{0_1' \cdot |h|}}{|\overline{0_1'}| |h|} = Z, c_0, \emptyset_2 = X, c_0, \emptyset_3 = Y$$

--- D

と力3。正射影の性質+). Sk= Scorlok (K=1.2.3) たが。

$$S_1^2 + S_2^2 + S_3^2 = S(c_{03}0_1 + c_{03}^20_2 + c_{03}^20_3) = S(X^2 + Y^2 + Z^2)$$
 (:0)

 $= S^2 \left(: |\overrightarrow{M}| = 1 \right)$

である。国

(2) K=SitSztSzとおき、KOMOX、MTNで茶える。(1)及び Si, Sz, Szzのから、Si, SzS空間で

ti (82,62,12)

 $S_1^2 + S_2^2 + S_3^2 = S^2$

もろさく。これと平面 k=SitSo+So が芸有点を持つ条件が

S = K = 135

S₁ S₂ (\$\frac{15}{3}\sigma_3\frac{15}{3}\s

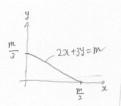
は状って.

mink=S, max k= 13S

7.83.

(1) 2" m = (6) Etdur k=2, m= = (1) Etdur k= 135 2713.)

[解]
$$2x+3y=m$$
 - 9 $-2m+3m=m$ - 2



0.08215117.

$$2(X+m)+3(Y-m)=0$$

223は互いに素をから、ドモはして、

$$(31.4) = (3k-m, -2k+m)$$

このうち、ロミスとかをみたすとの数がり(例であるから

7:53

(1) 図に注意して、Mを6でかたあわて場合ける。teNであ

$$M = 6t - 1$$
, $N(m) = (3t - 1) - (2t - 1) = t$

$$M = 6t - 2$$
, $N(m) = (3t-1) - (2t-1) = 1$

$$M = 6t - 3$$
, $N(m) = (3t - 2) - (2t - 2) = t$

$$m = 6t - 4$$
, $N(m) = (3t - 2) - (2t - 2) = t$

$$m = 6t - 5$$
 , $N(m) = (3t - 3) - (2t - 2) = t + 1$

t). たしかに N (m+6)= N(m)+1 (7成立33日

(2) $f(m) = |-m + \lfloor \frac{m}{2} \rfloor + \lfloor \frac{2}{3} m \rfloor + 2d \cdot (1) + \lceil \frac{1}{2} \rceil + \lceil \frac{1}{3} \rceil + 2d \cdot (1) + \lceil \frac{1}{2} \rceil + \lceil \frac{1}{3} \rceil + \lceil$

M=6tn日寺, f(W)= |-6t+7t+4t=t+1

M=(t-1, f(M)= |-((t-1)+(3t-1)+(4t-1)=t

m = (t-2) f(m) = [-((t-2) + (3t-1) + (4t-2) = t

M=6t-3, f(M)=|-(6t-3)+(3t-2)+(4t-2)=t

m=6t-4, f(m)= 1-(6t-4)+(3t-2)+(4t-3)=t

h= ft-5, f(m)= 1-((t-5)+(3t-3)+(4t-4)=1-1

1/ F-LOT- F(M= N(M) 7-63 A

[6] [2]