1) Find the distance - point P(1,2,-1) to the

U = (X+7)+(A-5)+(S+7)=0

d: x-x0 = y-y0 = 2-20

P(xp, yp, tp)

T: p(x-x0)+3(4-3-4 p(z-to)

[x+y+2-2=0 [x=y=z

P(2,2,2)

Didn't

Signal = == 3 to probelogion

= lopx =1

= lopx = 132+(-2)2+(-1)2

のア·Xix= | i | j | fi | = = = + t-j=3i-2j-1c

6 (Pid) = VII = VIIZ = FAZ 3

( Show that the line d: XH = y-3 = 7 and the plane IT " 2x-2y-2+ +5= 0 one possible and find the distance between them.

$$\frac{A(-2,3,0)}{\nabla(1,2,-1)} \frac{A(-2,3,0)}{\nabla(1,2,-1)} \frac{A($$

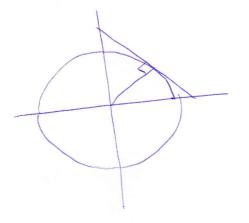
a. of diameter CABJ where A(L2) and Bl-3,-1)

b. of conten I(2,-3) and radius R=3

c. of center Il-1,2) which person unright A(2,6)

d. contered of the origin and torget - d: 3x-4y+20=0

ense d: 3x-y-2-0



$$(X+\Gamma)_{5} + (A-5)_{5} = 52$$

$$(X+\Gamma)_{5} + (A-5)_{5} = (U+5)_{5} + (P-5)_{5}$$

$$(X+\Gamma)_{5} + (A-5)_{5} = U$$

$$\delta(0,d) = \frac{20}{\sqrt{3^2 + (-u)^2}} = \frac{20}{5} = 4$$

$$\kappa^2 + y^2 = \kappa^2 = 0 \times 2 + y^2 = 16$$

$$\begin{array}{c}
\text{(E)} \quad \frac{\text{YA} + \text{YB}}{2} = 1 \\
\text{YA} + \text{YB} = 2 \\
\text{M(L_{1Z})}
\end{array}$$

$$\frac{X - XA}{XB - XA} = \frac{Y - YA}{YB - YA}$$