2) Numerous uperspossional 
$$x' = a_{11} x + a_{12} y + a_{13}$$
 $y' = a_{21} x + a_{12} y + a_{23}$ 
optionoration eleve  $a_{11}^2 + a_{12}^2 + a_{22}^2 = 1$ ,  $a_{11} \cdot a_{12} + a_{11} \cdot a_{21} = 0$ 
 $f_{02x} A_1(x_1, y_1) = A_2(x_2, y_2) => A_1(x_1', y_1') = A_2(x_2' - y_2')$ 

$$[A_1' A_2'] = (x_2' - x_1')^2 + (y_2' - y_1')^2 = [a_{11}(x_2 + x_1) + a_{12}(y_2 - y_1)]^2 + [a_{11}(x_2 - x_1) + a_{22}(y_2 - y_1)]^2 = (a_{11}^2 + a_{21})(x_2 - x_1)^2 + (a_{12}^2 + a_{22}^2)(y_2^2 - y_1^2)$$
 $+ 2(a_{11}a_{212} + a_{21}a_{12})(x_2 - x_1)(y_2 - y_1) = (x_2 - x_1)^2 + (y_2 - y_1)^2 = [a_{11}(x_2 - x_1) + a_{22}(y_2 - y_1)]^2$ 

Ax +By+Cz+DzO A Ax+By+Cz=0 4.2) A,x+B,y+C,z+D,=0  $\frac{X - x_1}{x_2 - x_1} = \frac{y - y_1}{y_2 - y_1} = \frac{Z - Z_1}{Z_2 - Z_1}$ (A,(x2-x,)+B,(y2-y,)+C,(Z2-Z.) A,(x,+B,4)+C,2,+D,20