$$T_1 : Trans \begin{bmatrix} 1 \\ 1 \end{bmatrix} \text{ } 2d \left(T \right)$$

$$T_2 : Trans \begin{bmatrix} 2 \\ 1 \end{bmatrix} \text{ } Rd \left(\frac{T_2}{2} \right)$$

P

⇒ χ°

40

COORDINATE SYSTEM TRANSFORMATION EQN:

Athles...

SAYS THE SAME AS ABOVE

HOMOGENEOUS COORDINATE TRANSFORMATION

$$\begin{bmatrix} 1 \\ 0 \end{bmatrix} = \begin{bmatrix} \overline{0}_{\perp} \\ \overline{b}^{\perp} \\ 0 \end{bmatrix} \begin{bmatrix} 1 \\ \overline{b}^{\parallel} \\ 0 \end{bmatrix}$$

$$= \begin{bmatrix} P & \frac{\alpha}{d} \\ \underline{o}^{\mathsf{T}} & 1 \end{bmatrix} \begin{bmatrix} \frac{\alpha}{p_1} \\ 1 \end{bmatrix}$$

~T2 = OT, 'T2

40

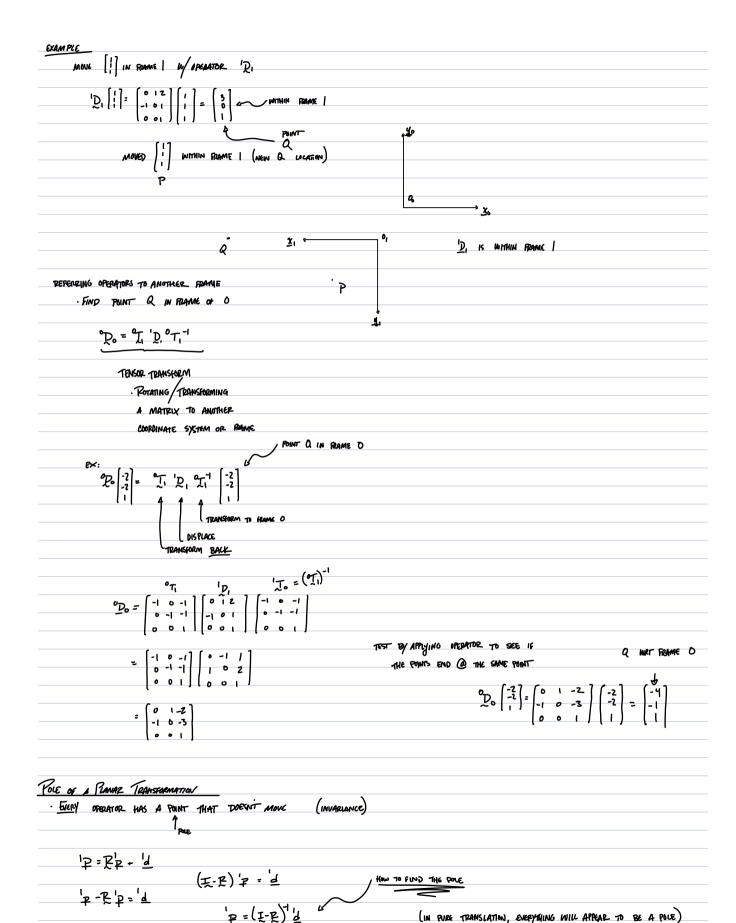
OPERATOR WORKING IN FRAME |

(NOT A COURDINATE TRANSFORMATION)

$$D_{i} = \sqrt{|\text{rans}|^{2}} \operatorname{Rot}\left(\frac{-\Omega^{2}}{2}\right) = \begin{bmatrix} 0 & 1 & 2 \\ -1 & 0 & 1 \\ 0 & 0 & 1 \end{bmatrix}$$

L 15T OPERATOR OPERATING IN FRAME 1

. DIFFERENT



IF '	yau	pefer_	YOUR-	COOPPIN	ATE S	устем	70	A	POLE,	EVER	YHING	<u> </u>	'AN	BE	TRE	ATED	AS	A	COTATION			
	•																					