(1) A - viewpart transformation matrix it transforms window to viewport

[xo o o x-1] nx = number pixels in x

My = [5 2 0 1 2] ny = number pixels in y B - Orthogonal Projection matrex C- Perspective matrix D- Canera Aransform Matrix converts world to view coordinates Man = $\begin{bmatrix} r_{12} & r_{13} & t_x \\ r_{21} & r_{22} & r_{23} & t_y \end{bmatrix}$ = $\frac{r_{24} + r_{22} + r_{23} + r_{23} + r_{24} + r_$ E-modeling transform Matrix tran, into world coordinates r=rotations from model to world Stil 12 Tiz tx + 7 translation from model to ward Mm = /21 5/22 (23 ty S 2 Scaling from model town [131 132 S133 tz