1. Linear Algebre Review
dot product: \hat{n} , $\hat{\lambda} = u.v. + u_2v_2$.
$\triangle \cdot \triangle = \triangle \cdot \triangle$
$(\hat{n} + \hat{n}) \hat{n} = \hat{n} \cdot \hat{n} + \hat{n} \cdot \hat{n}$
$C \sim \sim = C \cdot (\sim \sim)$
$\widehat{\mathcal{U}} \times \widehat{\mathcal{V}}$: the vector parpendicular to both $\widehat{\mathcal{U}}$ and $\widehat{\mathcal{V}}$
1-landedness:
×
2
right-handled sys
—>
$\begin{bmatrix} a_{11} & a_{21} \\ a_{12} & a_{12} \end{bmatrix} \times \begin{bmatrix} b_{11} & b_{21} \\ b_{12} & b_{22} \end{bmatrix} = \begin{bmatrix} a_{11}b_{11} + a_{21}b_{12} & a_{11}b_{21} + a_{21}b_{22} \\ a_{11}b_{12} + a_{12}b_{22} & a_{12}b_{21} + a_{21}b_{12} \end{bmatrix}.$
For matrices, ABC = A(BC) # ACB. // accordate / communitue >
2 Display & Wolor
26816: 216 5+5+5+1 R6824: 224 8+8+8 (+rue wolon)
RGB 32-212 8-18-18-18
3. Basic Building Bhooks:
left-hand right-hand.
when polygon that has all angles less than or equal 1800.

immediace mode. He function calls Junction are; frate.
retained mode:
4. Screen Space & 2D Transform.
NDC: normalized device voordingtes.
Viewpore (to, yor -w in-screen posición.
75: (x+1)(2)+x0 glViemport(x0,70,~,h).
$\frac{75 = (7-1) \left(\frac{7}{2}\right) + n}{n \text{ proper ears}} = \begin{bmatrix} \times \\ \gamma \\ 1 \end{bmatrix} \begin{bmatrix} \times \\ \gamma \\ 0 \end{bmatrix} \begin{bmatrix} \times \\ 2 \times 2 - \sqrt{2} \\ 2 \times 2 \times 2 - \sqrt{2} \end{bmatrix}$ $\frac{1}{2} \left(\frac{1}{2} \times 2 \times$
homogeneous: $\frac{1}{2}$
point direction
TRSM right-10-left order.
Projection:
glan. inites
rindow=glfn. creace. window (w, h, name, more, more).
gl Marria Mode (GL. PROJECTZON)
gl Load Identity ()
gl Britos (lete, right, houson, rop, near, far).