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	when 2 vectors are perpendicular, vixis is bigger
	since are of Paralelogram is maximum.
-	
	$(37) \times \omega^2 = (3(\sqrt[3]{x}))$
-	Cross productis a vector not a number,
-	マン×ジェラ
-	vector.
	& direction of Pis L to plan toward by P& w.
	The L direction of p' is denoted by right hand wile. (as there conte 2 L directions)
	D'in the directions
	Righthand rule:
	> ^
	Put fore finger of righthond in
	dinof it middle finger in
	dimot with the when you point is
	Cross product
	Cross product
	Calculation by formula
	[1,7 [w,] (f1 v, w,])
	$\begin{bmatrix} V_1 & W_1 \\ V_2 & X & W_2 \end{bmatrix} = \det \begin{bmatrix} 1 & V_1 & W_1 \\ 1 & V_2 & W_2 \end{bmatrix}$ $\begin{bmatrix} V_3 & W_3 & W_3 \end{bmatrix}$
	[V3 [W3] [R V3 Ws]
143.4	- The same of the
	-> 1 (V2W3-W2V3) + 1 (V2W1-VW3) + k (V1W2-V2W1)
	1000
	She nomber Somenimber Emenumber

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Cross product in light of Linear transformat	r'ans,
Define a 3-d to I-d linear transformation Define a 1-d lin	in tems of 3 and
It will clear the House connection between on d geometry of cross product.	, computation
Not real Cross product:	
$\overrightarrow{\mathcal{L}} \times \overrightarrow{\mathcal{J}} \times \overrightarrow{\mathcal{L}} = \det \left(\begin{array}{cccc} \mathcal{U}_1 & \mathcal{V}_1 & \mathcal{W}_1 \\ \mathcal{U}_2 & \mathcal{V}_2 & \mathcal{W}_2 \\ \mathcal{U}_3 & \mathcal{V}_3 & \mathcal{W}_3 \end{array} \right)$	
$ \begin{array}{c cccc} \overrightarrow{U} = \overline{U} & \overrightarrow{V} = \overline{V} \\ \overrightarrow{U}_2 & \overline{V}_2 \\ \overline{U}_3 & \overline{U}_3 \end{array} $	
This gives Volume of Perallel	gipe d
Real 3-D Cross product:	
Vxw = P Resultant is a ve	ctor of a



