Untitled.notebook January 15, 2019

$$\overrightarrow{U} \times \overrightarrow{V} = \begin{vmatrix} \overrightarrow{i} & \overrightarrow{j} & \overrightarrow{k} \\ u_1 & u_2 & u_3 \\ v_1 & v_2 & v_3 \end{vmatrix}$$

$$\overrightarrow{U} \times \overrightarrow{V} = - (\overrightarrow{V} \times \overrightarrow{U})$$

$$\overrightarrow{U} \times \overrightarrow{V} = \overrightarrow{U}$$

$$\overrightarrow{U} \times \overrightarrow{U} = \overrightarrow{U}$$

$$\overrightarrow{U} \times \overrightarrow{U}$$

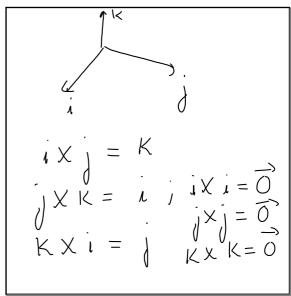
$$\overrightarrow{U} \times \overrightarrow{U} = \overrightarrow{U}$$

$$\overrightarrow{U} \times \overrightarrow{U}$$

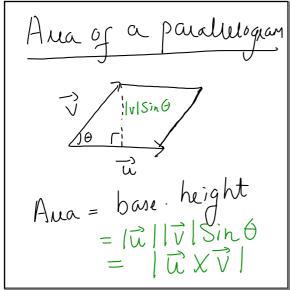
$$\overrightarrow{U} \times \overrightarrow{U} = \overrightarrow{U}$$

$$\overrightarrow{U} \times \overrightarrow{U}$$

Jan 15-11:19 AM



Jan 15-11:30 AM



Jan 15-11:32 AM

Jan 15-11:38 AM

Jan 15-11:40 AM

Jan 15-11:43 AM

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Hua of 11 PQRS
$$= |PQ \times PR|$$

$$= \sqrt{16 + 1 + 1}$$

$$= \sqrt{18}$$
Ana of $\Delta PQR = |\sqrt{18}|$

Jan 15-11:46 AM

Jan 15-11:53 AM

Guvin

$$\overrightarrow{U} = i + 2j - K$$
 $\overrightarrow{V} = -2i + 3K$
 $\overrightarrow{U} = 7j - 4K$

Find the volume of the box.

Jan 15-11:55 AM

Jan 15-11:56 AM

Jan 15-12:00 PM

Jan 15-12:07 PM

Jan 15-12:06 PM