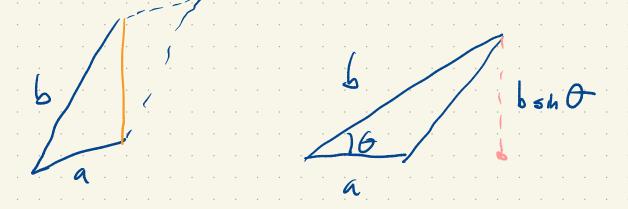
e.s.
$$\langle 1,2,3\rangle \times \langle 3,1,2\rangle$$

 $\langle 1,2,3\rangle \times \langle 3,1,2\rangle$
 $\langle 1,2,3\rangle \times \langle 3,$

What is this gently little I sun 07



Area of truste: a65in 0

Hall Hollsund is the area of the paullalogues Spanned by a al b.

(angular oralog of force) Application: Torque lever

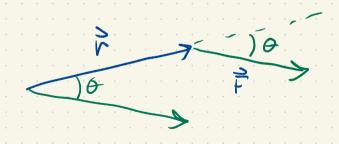
Z= rxf (Nm) (ft lb)

torque of Pat P. By definition:

Observe: If F is purallel to it it xF=0

Torque is a vector. Its direction encodes axis of rotation. Its length is the size of the male force.

50, how long is 2?



OSOS IT

e.s.
$$70^{\circ}$$

7 = 0.3 C

$$\vec{r} \times \vec{F} = 0.3 \cdot 100 \cdot \hat{c} \times \left(\cos 70^{\circ} \hat{c} + 5\sqrt{0^{\circ}} \hat{c}\right)$$

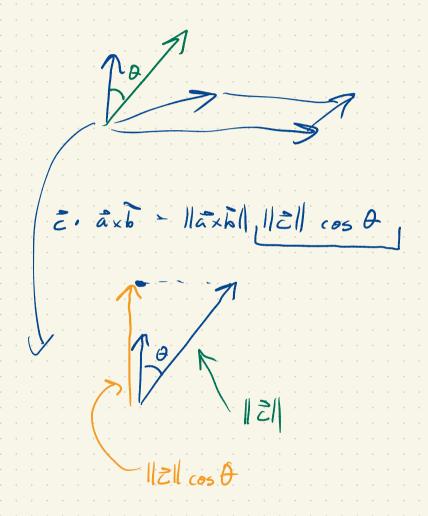
$$= 30 \left(0 + 5\sqrt{100^{\circ}} \hat{c}\right)$$

$$= 30 \cdot \sin 70^{\circ} \hat{k}$$

$$= 28.2 \hat{k} N_{m}.$$

$$\frac{\partial}{\partial x} = \frac{\partial}{\partial x} \left[\frac{\partial}{\partial x} \left(\frac{\partial}{\partial x} \right) \right] = \frac{\partial}{\partial x} \left[\frac{\partial}{\partial x} \left(\frac{\partial}{\partial x} \right) \right] = \frac{\partial}{\partial x} \left[\frac{\partial}{\partial x} \left(\frac{\partial}{\partial x} \right) \right] = \frac{\partial}{\partial x} \left[\frac{\partial}{\partial x} \left(\frac{\partial}{\partial x} \right) \right] = \frac{\partial}{\partial x} \left[\frac{\partial}{\partial x} \left(\frac{\partial}{\partial x} \right) \right] = \frac{\partial}{\partial x} \left[\frac{\partial}{\partial x} \left(\frac{\partial}{\partial x} \right) \right] = \frac{\partial}{\partial x} \left[\frac{\partial}{\partial x} \left(\frac{\partial}{\partial x} \right) \right] = \frac{\partial}{\partial x} \left[\frac{\partial}{\partial x} \left(\frac{\partial}{\partial x} \right) \right] = \frac{\partial}{\partial x} 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5) gereal case



It's asam he aren of paralle piped.