



$$\vec{\tau} = \vec{r} \times \vec{F}$$

$$|\vec{\tau}| = |\vec{r}| |\vec{F}| \sin \theta$$

Amount of torque

$$|\vec{\tau}| = (\text{length of wrench}) * (\text{component of force } \perp \text{ to wrench})$$

"righty-tighty, lefty-loosey" rule \Leftarrow right hand rule for cross products