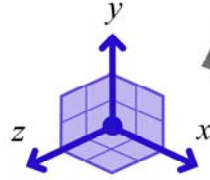
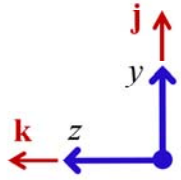
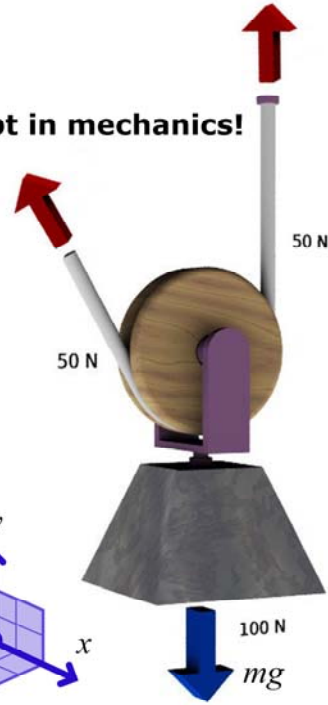
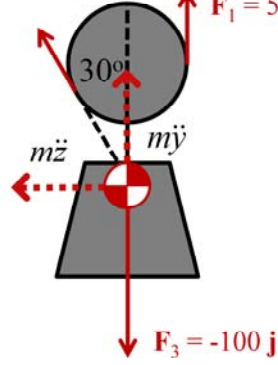


Free Body Diagram

Perhaps the most important concept in mechanics!

$$\mathbf{F}_2 = 50(\cos 30^\circ \mathbf{j} + \sin 30^\circ \mathbf{k})$$

$$\mathbf{F}_1 = 50 \mathbf{j}$$



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