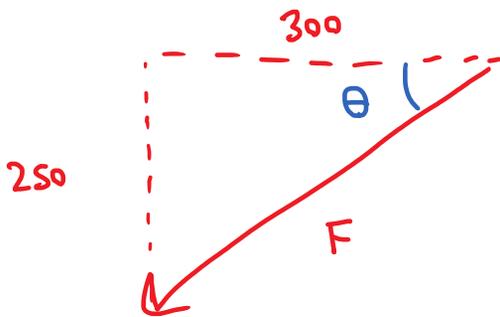
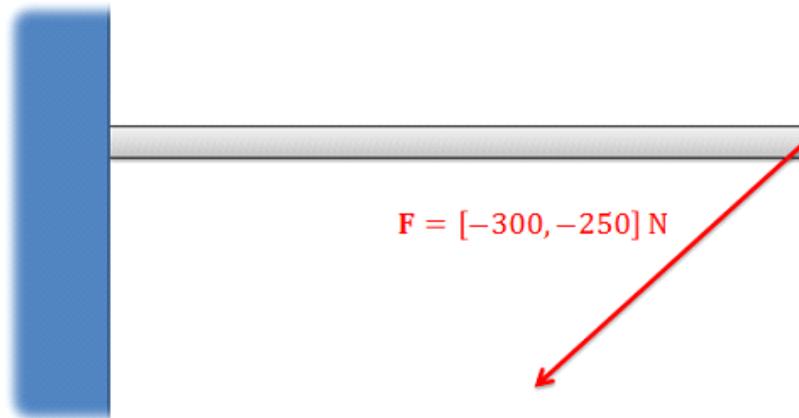


Problem 2

The force acting on the cantilever beam shown below is given in component form. Redraw the diagram with the force given in magnitude and direction form.



$$F = \sqrt{250^2 + 300^2} = 390.5 \text{ N}$$

$$\theta = \tan^{-1}\left(\frac{250}{300}\right) = 39.8^\circ$$

$\vec{F} = 390.5 \text{ N}$ at 39.8° below the negative x-axis

