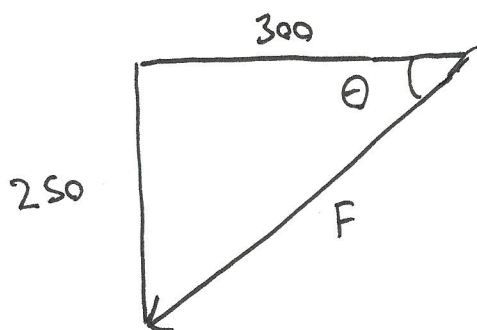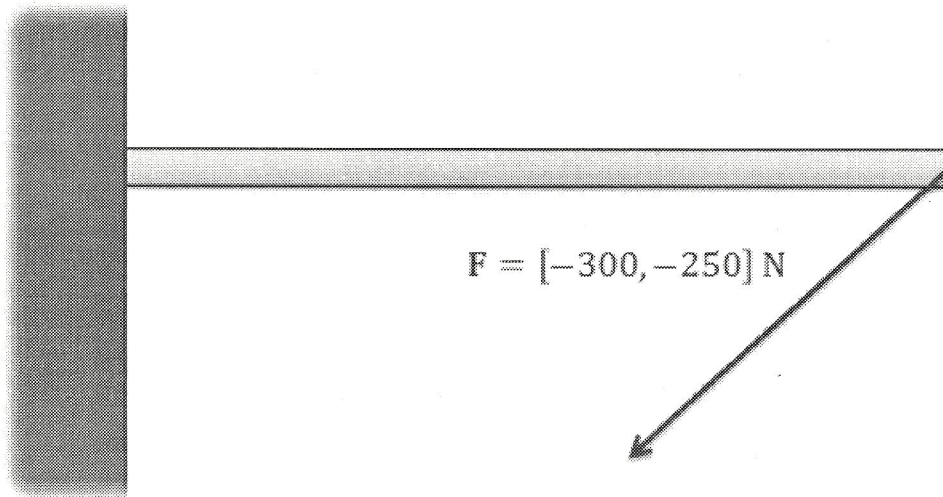## Question 2:

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.

$$F = [-300, -250]\ N$$

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

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

300

250

Θ

F

39.8°

390.5 N