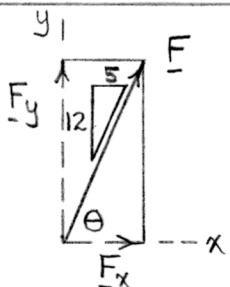


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$\cos \theta = \frac{5}{13}, \sin \theta = \frac{12}{13}$

$F_y = F \sin \theta = F \frac{12}{13} = 320 \text{ N}$

$F = 347 \text{ N}$

$F_x = F \cos \theta = 347 \left(\frac{5}{13} \right) = \underline{133.3 \text{ N}}$

WILEY