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  $y_1$   $F$   $\cos \theta = \frac{5}{13}$ ,  $\sin \theta = \frac{12}{13}$   $F_y = F \sin \theta = F \frac{12}{13} = 320 \text{ N}$   $F = 347 \text{ N}$   $F_x = F \cos \theta = 347 \left(\frac{5}{13}\right) = \underline{133.3 \text{ N}}$ 

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