

1-7*

$$\circlearrowleft \Sigma M_A = 0: \quad 27N_F - 13(33 \cos 15^\circ) + 4(35 \sin 15^\circ) = 0$$

$$N_F = 14.93561 \text{ lb} \cong 14.94 \text{ lb} \quad \blacktriangle 75^\circ \text{ Ans.}$$

$$\Sigma F_x = 0: \quad P \cos 30^\circ - 35 \sin 15^\circ = 0$$

$$P = 10.46005 \text{ lb} \cong 10.46 \text{ lb} \quad \blacktriangle 15^\circ \text{ Ans.}$$

$$\Sigma F_y = 0: \quad N_R + N_F - P \sin 30^\circ - 35 \cos 15^\circ = 0$$

$$N_R = 24.1 \text{ lb} \quad \blacktriangle 75^\circ \text{ Ans.}$$

