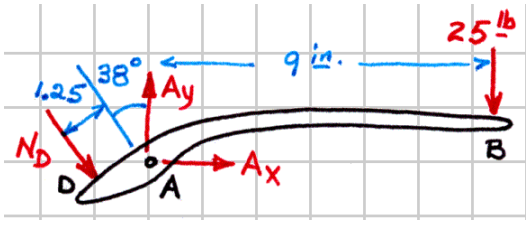
1-17*



$\circlearrowleft \Sigma M_A = 0: \qquad 1.25N_D - 9(25) = 0$

$N_D = 180.0 \text{ lb}$ ..... **Ans.**

$\rightarrow \Sigma F_x = 0: \qquad A_x + N_D \sin 38° = 0$

$\uparrow \Sigma F_y = 0: \qquad A_y - 25 - N_D \cos 38° = 0$

$A_x = -110.8 \text{ lb} \qquad A_y = 166.8 \text{ lb}$

$\mathbf{A} = 200.3 \text{ lb} \measuredangle 56.4°$ ..... **Ans.**