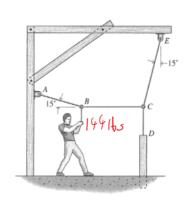
Problem 3: A person is extracting a post from the ground using the structure shown.

If the person exerts a vertical downwards force of 144 lb to extract the post, find

(a) FAB (b) FCD



$$F_{cD} = F_{cE} = 0.5 (15)$$
 $F_{cD} = 2005,64 165$