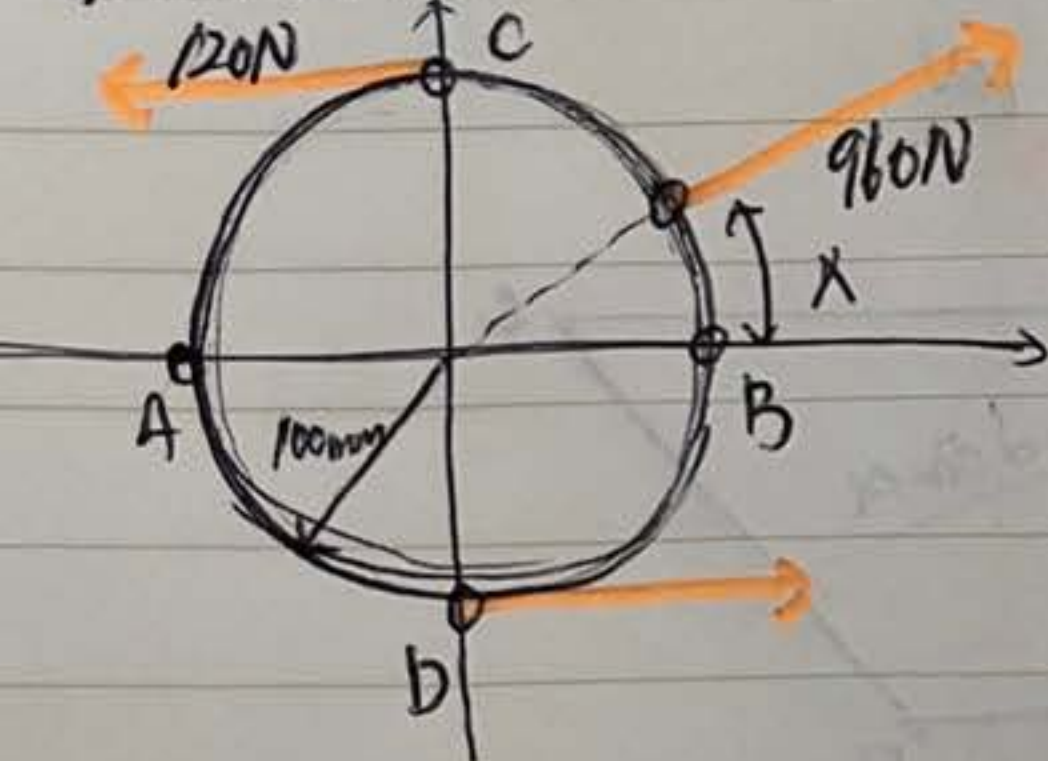


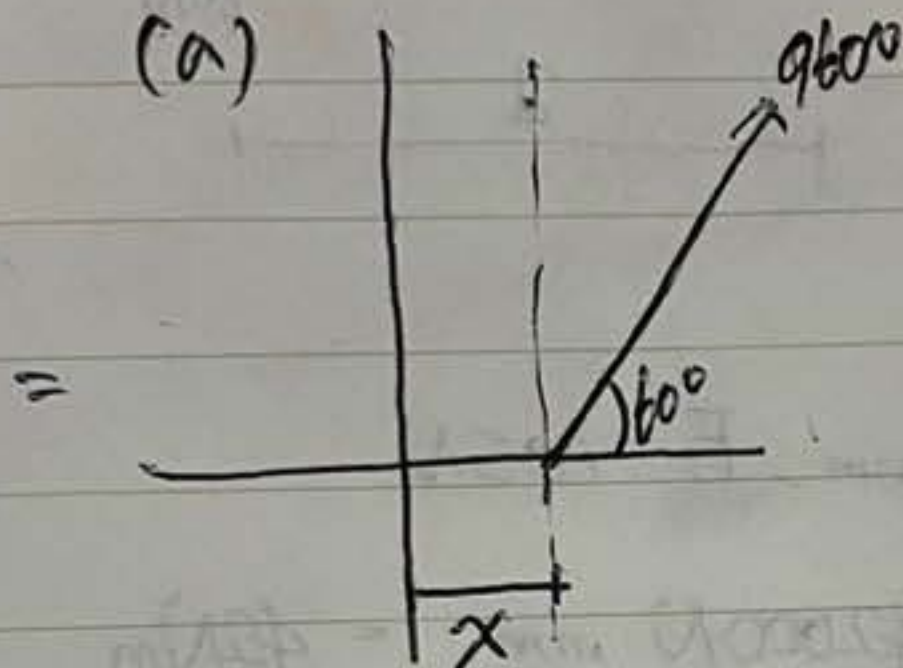
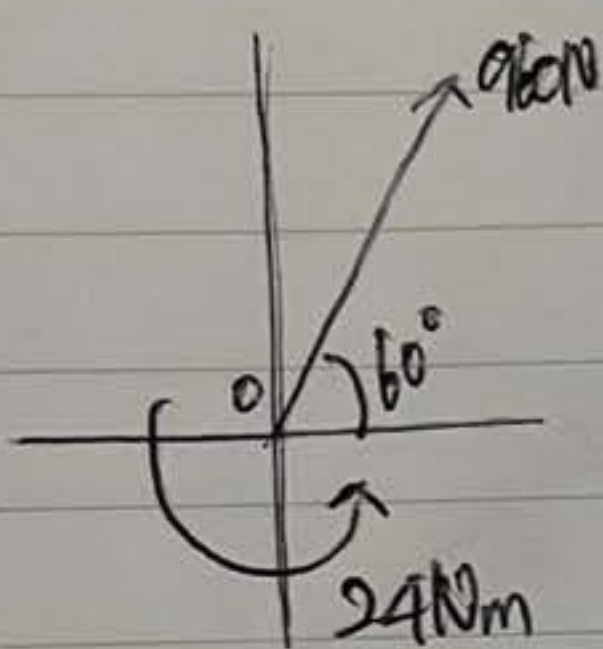
<예제 3.88>



$\alpha = 60^\circ$  일 때,

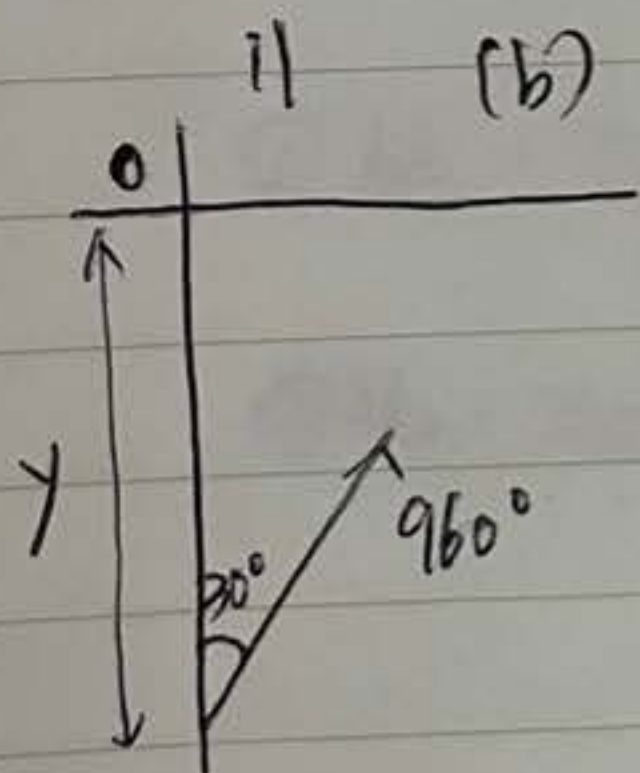
우력을  $\overline{AB}$ ,  $\overline{CD}$ 에 대하여 하나의 힘으로  
표현하라.

각 case 별 점 O로 부터 떨어진 거리를  
측정하라.



점 O에서  $F = 960N \angle 60.0^\circ$

$$M_O = (120N)(0.2m) = 24.0 \text{ Nm}$$



$$(a) \quad 24 \text{ Nm} = (960N) \cdot (\cos 30^\circ) \cdot x$$

$$x = 0.028868 \text{ m}$$

$$\approx 28.9 \text{ mm}$$

$$(b) \quad 24 \text{ Nm} = (960N) \cdot (\sin 30^\circ) \cdot y$$

$$y = 0.05 \text{ m}$$

$$\approx 50.0 \text{ mm}$$