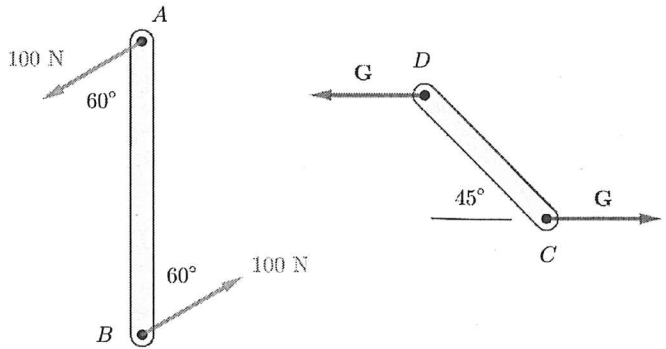


Link AB is 5 m long, and CD is 3 m long.
Determine the magnitude of G such that
the two systems are equivalent.



$$\Sigma M = 0$$

$$\underline{M_1 = M_2}$$

$$5(100 \sin 60) = (3 \sin 45) G$$

$$G = 222 \text{ N}$$

ALSO NOTE FOR EACH SYSTEM

$$\Sigma F_x = 0 \quad \Sigma F_y = 0$$