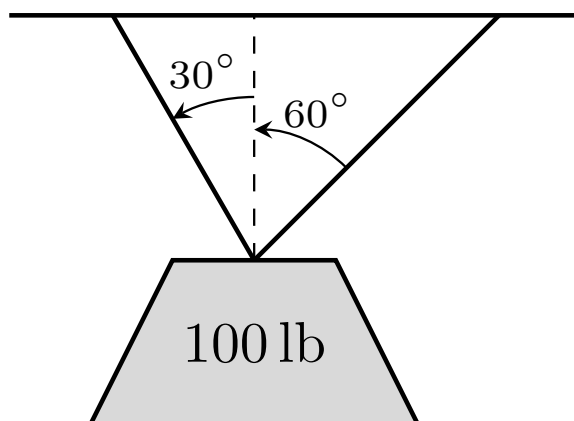


**Exercise 1** Consider a weight of 100 lb hanging from two chains:



Find the magnitude of the force applied to each chain.

Magnitude of the force on the left chain =  $\boxed{50\sqrt{3}}$  lb

Magnitude of the force on the right chain =  $\boxed{50}$  lb