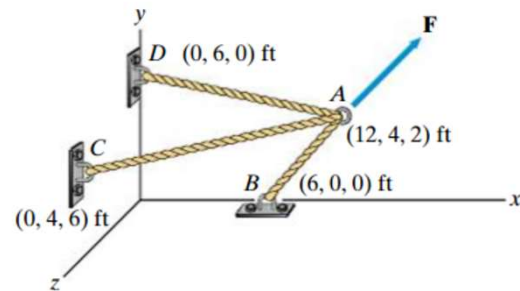


## • 3D Force

- Problem 1 Suppose that you want to apply a 1000-lb force  $\mathbf{F}$  at point  $A$  in a direction such that the resulting tensions in cables  $AB$ ,  $AC$ , and  $AD$  are equal. Determine the components of  $\mathbf{F}$ .



- Problem 2

The 100-lb “slider”  $C$  is held in place on the smooth bar by the cable  $AC$ . Determine the tension in the cable and the force exerted on the slider by the bar.

