

# STATIC EQUILIBRIUM

Unit 3 DR John P. Cise, Professor of Physics, Austin

Com. College, 1212 Rio Grande St., Austin Tx 78701 [jpcise@austincc.edu](mailto:jpcise@austincc.edu) & NYTimes May 9,2012 by Sara Beck

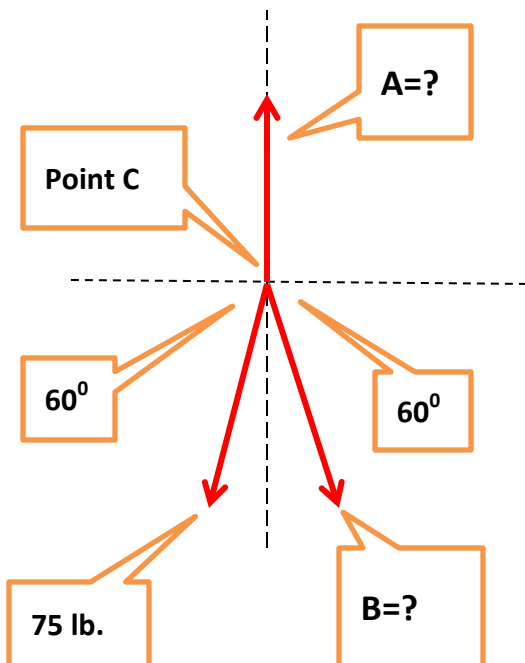
## Twists and Turns Lead to a New Life



Jared McCann incorporates an industrial chain into his yoga routine at home.

When Jared McCann was 12, he was the only kid in his Southern Baptist church in Hawaii not to be baptized. One Sunday, during the traditional altar call, his mother whispered, “Jared, don’t you feel Jesus calling at your heart?” McCann listened respectfully, but when he heard no voice, he refused to bend.

“I’ve never been one to follow along,” he said. In 2007, at 26, he chose his own style of baptism — a 105-degree heat bath with his own sweat serving as holy water.



**INTRODUCTION:** Point C is in static equilibrium. Three forces act at that point as shown at left.

**QUESTION:** Find force A & B?

**ANSWER:** A = 129.9 lb. , B = 75 lb.