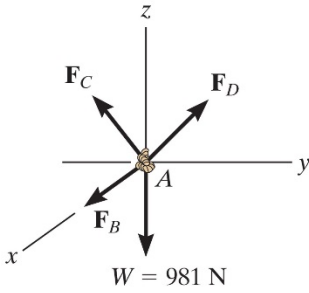


## Quiz 5

1. The equilibrium equations for the picture shown are given as:



$$FB - 0.5FC - 0.333FD = 0$$

$$-0.707FC + 0.667FD = 0$$

$$0.5FC + 0.667FD - 981 = 0$$

Solve the system of equations to find the values of the three forces.

2. Find the location of all elements  $> 5$  in 'vec'.

$$vec = [10 - 2 \ 13 - 5 \ 23 \ 17 \ 0]$$