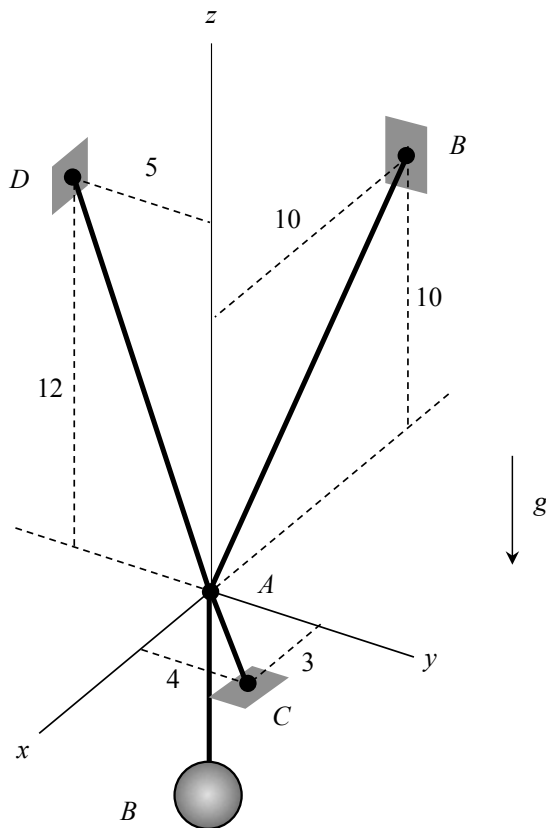


**Homework Problem H5.B**

**Given:** The weight  $B = 375 \text{ lb.}$  is supported by three cables as shown.

**Find:**

- Express the tension in cables AB, AC and AD as the product of their unit vectors and unknown tensions.
- Determine the tension in cables AB, AC and AD.



*all dimensions in meters*