

Physics Club

Team Name: _____

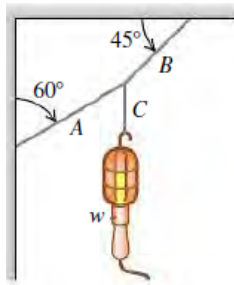
January 2018

Inaugural Competition Tiebreaker

1/30/18

Instructions: This tiebreaker contains one question. Assume $g = 10 \frac{m}{s^2}$. You do not have to go in order, and you may work in groups of 5 or less.

1. Find the tension in each part of the rope **in terms of** the weight of the hanging object, w .



Answer:

A =

B =

C =