



Problem of the Week

Grade 11 and 12

An Uphill Battle

Lisa-Mai Winn and Will Race are training for a competition by running all the way up and down a 700 m long ski slope. They each run up the slope at different constant speeds. Coming down the slope, each runs at double her or his uphill speed. Lisa-Mai reaches the top first, and immediately starts running back down, meeting Will 70 m from the top.

When Lisa-Mai reaches the bottom, how far behind is Will?

