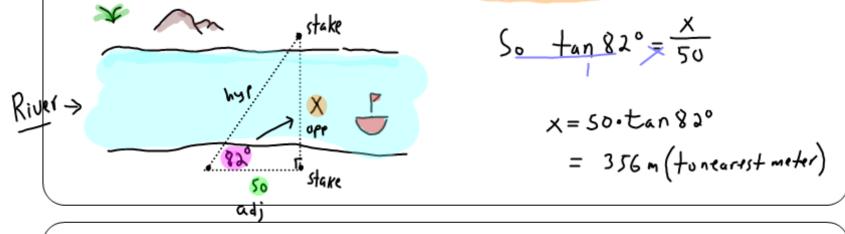


## Indirect Measurement

1. In order to construct a bridge across a river, the width of the river at the location must be determined. Suppose a stake is planted on one side of the river directly across from a second stake on the opposite side. At a distance 50 meters to the left of the stake, an angle of 82° is measured between the two stakes. Find the width of the river.



2. Suppose, in a situation similar to that of problem 1, the angle was measured at a distance of 30 meters away from the stake and found to be 55°. Find the width of the river.

□ □ □ □ □ 110% (-

