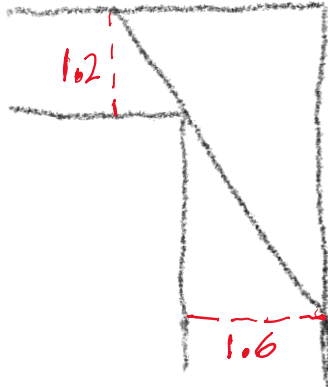


PDF 5.020 Trig Optimization Word Problems Part 1

Example 1

A thin rigid pole is carried around a 90 degree angle. The hallways are 1.2 metres wide and 1.6 metres wide. What is the longest possible pole? No domain analysis is necessary.



Example 2

Joey needs a ladder to break out of prison. He will lean the ladder against a tall fence, over the top of a 5 m high wall that is 3 m from the tall fence. He hopes to climb diagonally along the ladder, over the wall, to the fence. Then he climbs up and over the fence and escapes.

What is the minimum length of ladder necessary? No domain analysis is necessary

