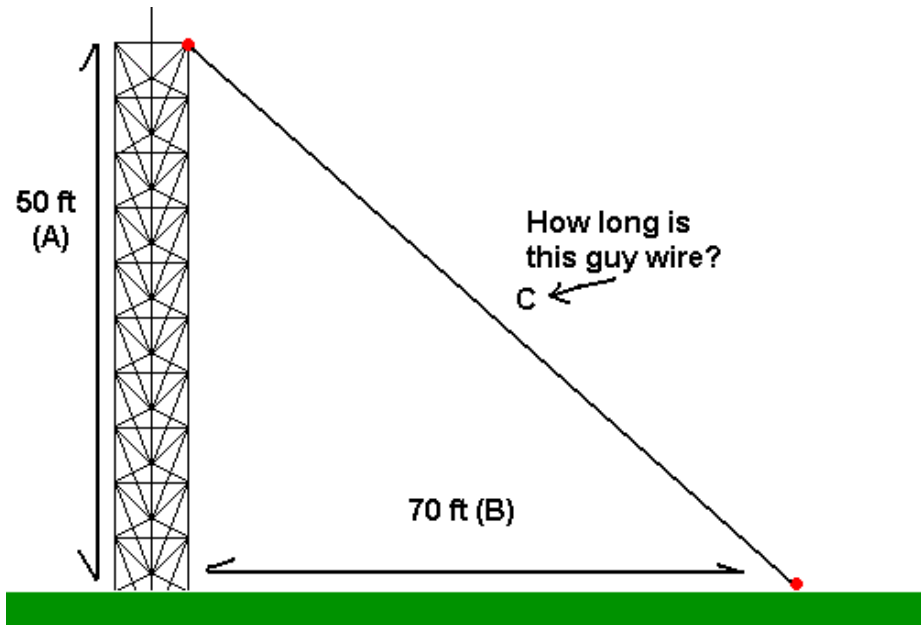


MFM1P Pythagorean Theorem Assignment

Eureka! Eureka! Eureka!

Refer to algebraic notes on how to use the appropriate version of Pythagorean Theorem.

1. A guy wire is used to secure a 50 ft communication tower. If the guy wire is anchored 70 ft from the base of the tower, how long is the guy wire? (4 marks)



2. The base of a 12m ladder, shown below, is 2.3 m from the wall it is against. How high can the ladder reach given this setup? (5 marks)

