MATC9 Ch 2.1 Key Concepts 3 Pythagorean Theorem Worked Example



2. A radio transmitting antenna casts a shadow 16.4 m long. A guy wire 22.8 m long runs from the end of the shadow to the top of the antenna. Use the Pythagorean theorem to find the height of the antenna.

Answers: 1. 11.6 cm 2. 15.8 m