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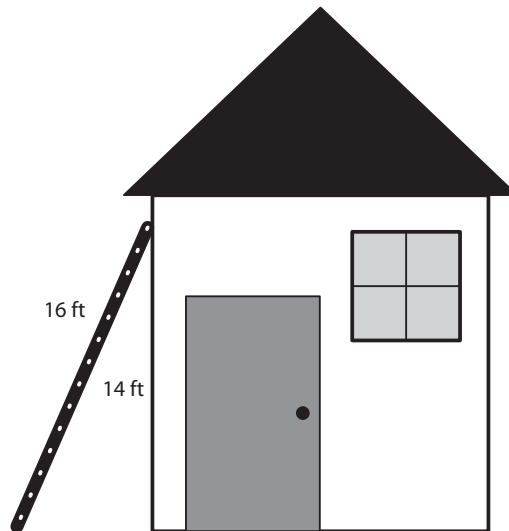
UNIT 3 • MODELING AND ANALYZING QUADRATIC FUNCTIONS

Lesson 1: Creating and Solving Quadratic Equations in One Variable

Lesson 3.1.1: Taking the Square Root of Both Sides

Warm-Up 3.1.1

A 16-foot ladder leans against the side of a house. The ladder reaches 14 feet up the side of the house.



1. How far is the base of the ladder from the house?

2. Suppose the ladder is moved 2 feet closer to the house. Now how far up the side of the house does the ladder reach?