Lesson 1.6.2: Applying Similarity Using the Angle-Angle (AA) Criterion

Warm-Up 1.6.2

The Statue of Liberty, a gift to the United States from France in 1886, stands 93 meters tall. A replica of the famous statue is 7.75 meters.

1. What is the scale factor comparing the height of the replica to the actual height of the Statue of Liberty?

2. The height of the base of the Statue of Liberty is approximately 46.5 meters. What is the height of the base of the Statue of Liberty replica?