



Name: _____

Date: _____

Modeling Right Triangles

Solve for x . Show your work.

1. Ramp: 30° angle, 51 ft horizontal
|
2. Ramp: 34° angle, 87 ft horizontal
|
3. Ramp: 43° angle, 94 ft horizontal
|
4. Ramp: 58° angle, 55 ft horizontal
|
5. Ramp: 35° angle, 64 ft horizontal
|
6. Ramp: 60° angle, 61 ft horizontal
|
7. Ramp: 47° angle, 89 ft horizontal
|
8. Ramp: 45° angle, 80 ft horizontal
|



Modeling Right Triangles – Answer Key

1. Ramp: 30° angle, 51 ft horizontal
~~29.4~~ ft
2. Ramp: 34° angle, 87 ft horizontal
~~58.7~~ ft
3. Ramp: 43° angle, 94 ft horizontal
~~67.7~~ ft
4. Ramp: 58° angle, 55 ft horizontal
~~68.0~~ ft
5. Ramp: 35° angle, 64 ft horizontal
~~44.8~~ ft
6. Ramp: 60° angle, 61 ft horizontal
~~105.7~~ ft
7. Ramp: 47° angle, 89 ft horizontal
~~65.4~~ ft
8. Ramp: 45° angle, 80 ft horizontal
~~60.0~~ ft