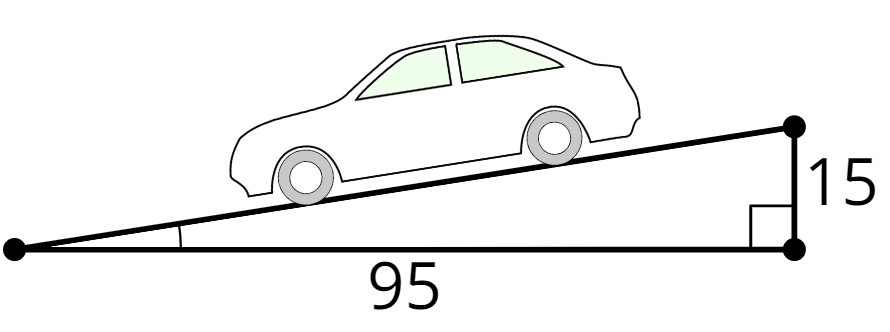
### Lesson 9 Practice Problems

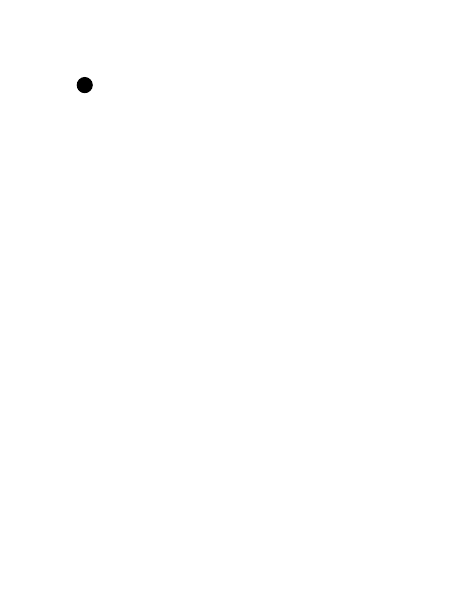
1. *Technology required.* Ramps in a parking garage need to be both steep and safe. The maximum safe incline for a ramp is 8.5 degrees. Is this ramp safe? If not, provide dimensions that would make the ramp safe.

* 

1. *Technology required.* is a rectangle.Find the length of and the measures of and .

* 

1. *Technology required.*Find the missing measurements.

* 

1. Select **all** the true equations:

* 
* (From Unit 4, Lesson 8.)

1. What value of makes this equation true?
   1. -30
   2. 30
   3. 60
   4. 180

* (From Unit 4, Lesson 8.)

1. A rope with a length of 3.5 meters is tied from a stake in the ground to the top of a tent. It forms a 17 degree angle with the ground. How tall is the tent?

* (From Unit 4, Lesson 7.)

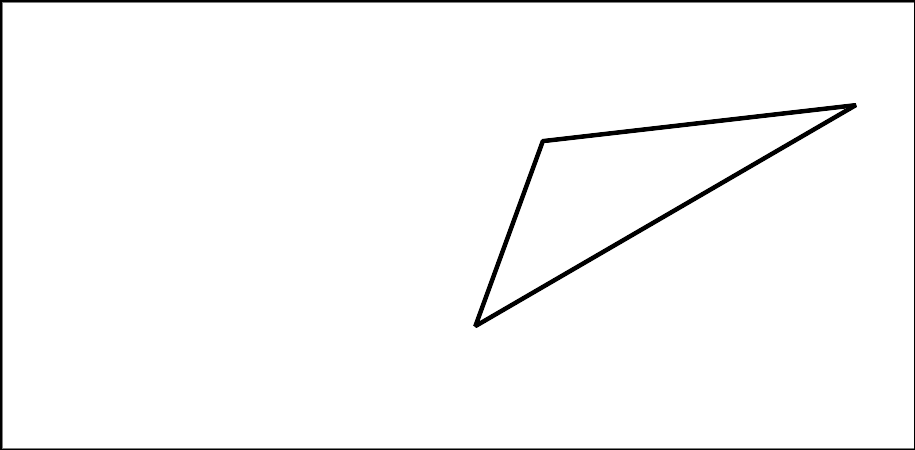
1. *Technology required.*What is the value of ?

* 
* (From Unit 4, Lesson 6.)

1. Find the missing side in each triangle using any method. Check your answers using a different method.

* 
* (From Unit 4, Lesson 1.)

1. The triangles are congruent. Write a sequence of rigid motions that takes triangle onto triangle .

* 
* (From Unit 2, Lesson 3.)



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