

## **Clear Learning Target**

You will be able to use slope and rate of change to solve real-world problems.

REAL-WORLD RATE OF CHANGE **Example #1:** When driving up a hill, you rise 15 ft for every 1000 feet you drive forward. What is the slope of the road?



## You Try!

A handicap ramp up to the front door of a school is 10 ft. at its highest point. The base of the ramp measures 28 feet. What is the slope of the ramp? (HINT: Draw a picture and label it!)

women who participated in collegiate lacrosse. In 2008, there were 6830. What is the rate of change of women in collegiate sports over this time period?

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Women vs. years

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## You Try!

When a certain used car is two years old, it is valued at \$17,378. When it is 3 years old, its value has gone down to \$16,157. What is the rate of change of the price of this used car?