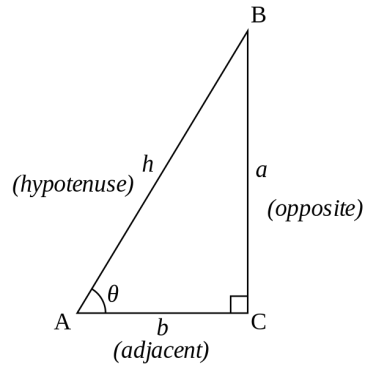
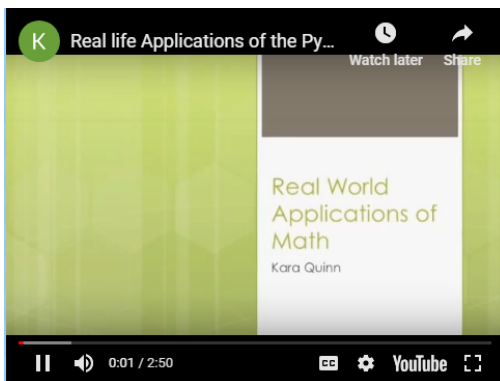


# Right Triangle Trigonometry



Learning Goals	Standards
<p>By the end of the lesson, you should be able to:</p> <ul style="list-style-type: none"> <li>• Solve a right triangle</li> <li>• Use the Pythagorean Theorem and right triangle trigonometry to solve real-life problems</li> <li>• Create a real-life problem that can be solved by using trigonometry</li> </ul>	<p>MGSE9-12.G.SRT.8 Use trigonometric ratios and the Pythagorean Theorem to solve right triangles in applied problems.</p>
Remediate (Optional)	Your Task
<p>Start here if you are struggling with the basics:</p> <ul style="list-style-type: none"> <li>• Labeling sides</li> <li>• Choosing the right ratio</li> <li>• Solving an equation involving trig</li> <li>• Using the Pythagorean Theorem</li> </ul>	<div data-bbox="781 1098 906 1213" data-label="Image"> </div> <p>Complete the <a href="#">Google Form</a> to review the topics listed on the left.</p>
Explore	Your Task
<p>Now, take a look at the videos below to see how useful our studies can be in real-life.</p> <p>(Click the link to view)</p> <div data-bbox="222 1516 716 1885" data-label="Image"> </div>	<p>The videos show several examples of how right triangle trigonometry could be used in nature and other real-life occurrences to find valuable information.</p> <p>Take note of the different types of problems and the information we can gather from the context versus the information we can calculate using trigonometry.</p>



## Explain

Visit the [GoFormative presentation](#) for more information and practice.

If you still need further explanation, check out [this tutorial](#) (optional).

## Your Task

[The GoFormative presentation](#) is interactive, so you will record all of your answers there. When you're finished, return here for your final task.



## Apply

Now you will apply what you've learned by creating your own trigonometry problems and contributing to the class Google Slides Presentation.

Your submissions should have an authentic (real-world) context. Think about sports 🏀, hobbies 🎧, architecture 🏠, etc. where right triangles occur naturally. Have fun and be creative!

## Your Task

Go to the [1st period Google Slide Presentation here](#). You will contribute to 2 slides.

1. Create a word problem.
2. Add a follow-up question to someone else's word problem
3. Create/design a picture to your word problem slide

[Here's how I used Google Drawings](#) to make mine. If you do use Google Drawings, [here's how you add it into your slide](#).

## Assess

Here's how we'll check for understanding.

## Your Task

Choose **two** of the slides on the class Google Slides presentation (other than the two you co-authored) to copy and solve on notebook paper. Turn in when you are finished!

Did you remember to:

- ☐ Remediate prior skills (optional)
- ☐ Complete the GoFormative presentation
- ☐ Create a trigonometry word problem in the class Google slide
- ☐ Add a follow-up question to a classmate's word problem
- ☐ Create/design a picture to go with your word problem
- ☐ Choose 2 word problems to copy and solve on paper

