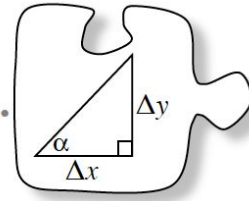


3.2.3 What if the angle changes?

Expanding the Trig Table



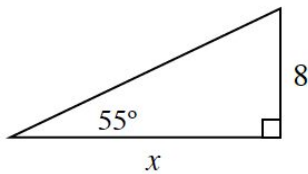
3-89 - Slope Triangle

Draw a slope triangle with a slope angle of 45° . Label the legs Δy and Δx .



a) If you increase the angle to 55° , which would be longer, Δy or Δx ? Explain your reasoning.

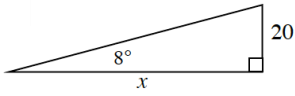
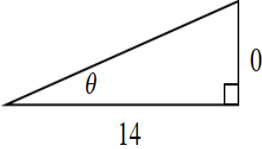
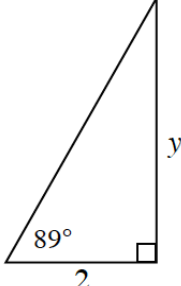
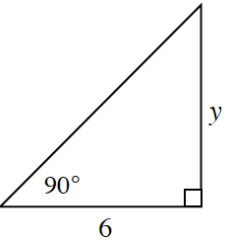
b). Solve for x .



3-90

Are the given measurements possible? Why or why not? Show all work.

<p>a)</p>	<p>b)</p>	<p>c)</p>
<p>a) Possible? If no, explain why. If yes, solve for the variable.</p>	<p>b) Possible? If no, explain why. If yes, solve for the variable.</p>	<p>c) Possible? If no, explain why. If yes, solve for the variable.</p>

<p>d)</p> 	<p>e)</p> 	<p>f)</p> 	<p>g)</p> 
<p>d) Possible? If no, explain why. If yes, solve for the variable.</p>	<p>e) Possible? If no, explain why. If yes, solve for the variable.</p>	<p>f) Possible? If no, explain why. If yes, solve for the variable.</p>	<p>g) Possible? If no, explain why. If yes, solve for the variable.</p>

3-91 - Trig Table Graphic Organizer

Add all of the slope ratios to your Trig Table Graphic Organizer.