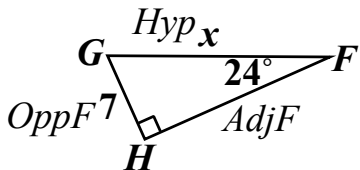
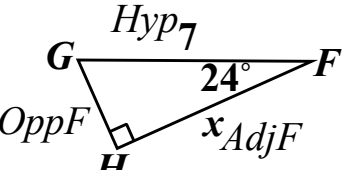
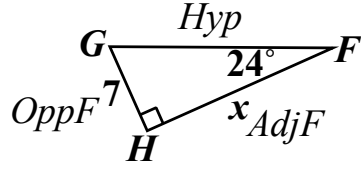
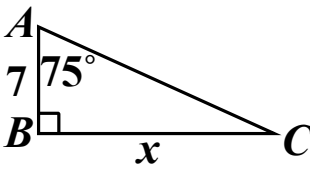
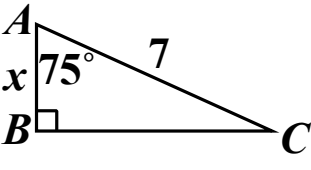
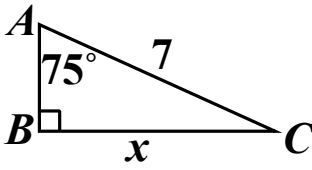
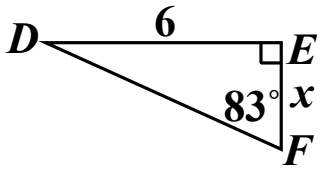
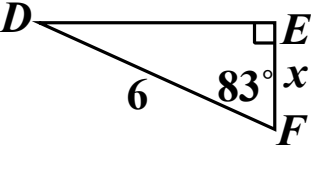
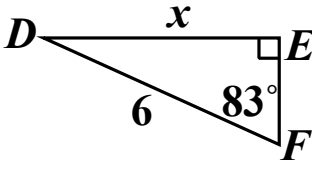
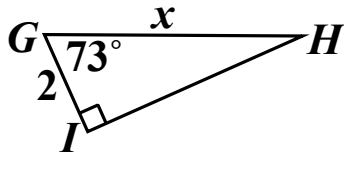
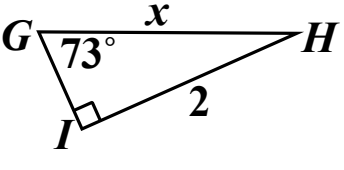
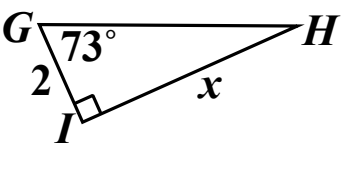


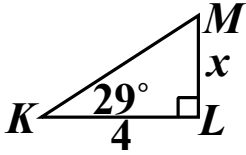
Creating Trig Ratios to Determine Sides

Use SohCahToa to set up a trig ratio for each given triangle.

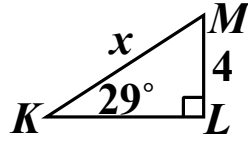
<p>Example 1:</p> 	<p>Example 2:</p> 	<p>Example 3:</p> 
<p><u>Soh</u> <u>Cah</u> <u>Toa</u>  <math>\frac{7}{x} \quad \frac{x}{7}</math></p> <p><math>\sin(\angle F) = \frac{\text{opp}F}{\text{hyp}}</math>  <math>\sin(24^\circ) = \frac{7}{x}</math></p>	<p>Soh <u>Cah</u> <u>Toa</u>  <math>\frac{7}{x} \quad \frac{x}{7} \quad x</math></p> <p><math>\cos(\angle F) = \frac{\text{adj}F}{\text{hyp}}</math>  <math>\cos(24^\circ) = \frac{x}{7}</math></p>	<p>Soh <u>Cah</u> <u>Toh</u>  <math>\frac{7}{x} \quad \frac{x}{7x}</math></p> <p><math>\tan(\angle F) = \frac{\text{opp}F}{\text{adj}F}</math>  <math>\tan(24^\circ) = \frac{7}{x}</math> or <math>\tan(66^\circ) = \frac{x}{7}</math></p>

<p>1.</p> 	<p>2.</p> 	<p>3.</p> 
<p>4.</p> 	<p>5.</p> 	<p>6.</p> 
<p>7.</p> 	<p>8.</p> 	<p>9.</p> 

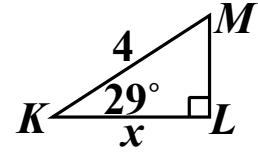
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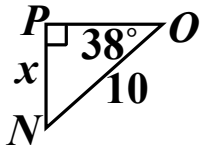
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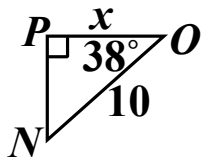
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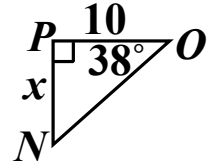
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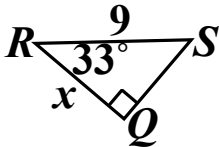
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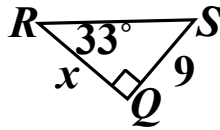
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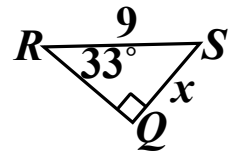
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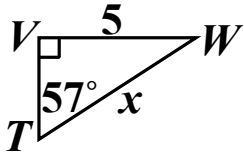
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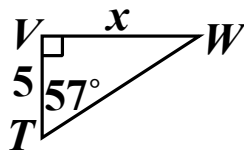
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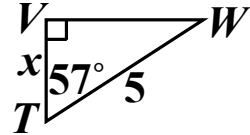
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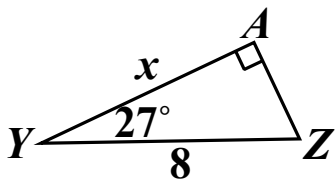
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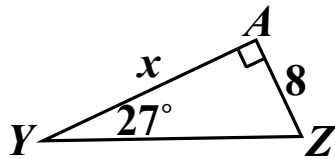
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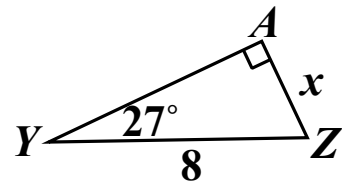
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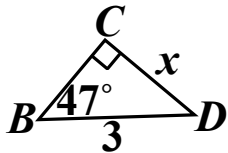
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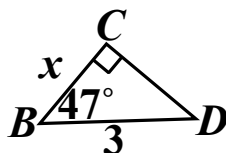
24.



25.



26.



27.

