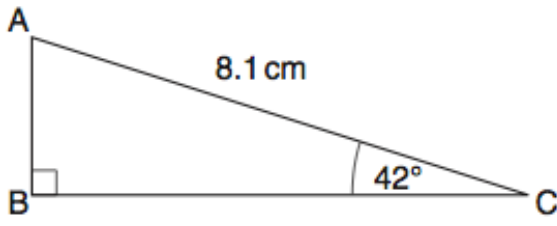
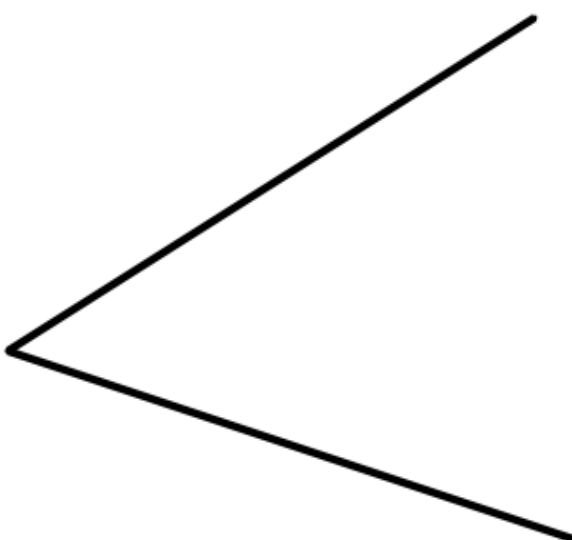
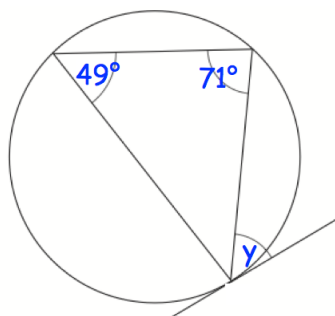


Name: \_\_\_\_\_

December 18	5-a-day	Higher
 <p>A right-angled triangle ABC is shown. The right angle is at vertex B. The hypotenuse AC is labeled 8.1 cm. The angle at vertex C is labeled 42°.</p>	Find BC.	
 <p>Construct the angle bisector.</p>		
Make $w$ the subject of $5(w - 2a) = 3w + 7$		
 <p>A circle is shown with an inscribed triangle. The angles at the top vertices are 49° and 71°. A tangent line is drawn at the bottom vertex, and the angle between the tangent and the side of the triangle is labeled <math>y</math>.</p>	Shown is a tangent to a circle. Find $y$ and give a reason for your answer.	