

# DOWNLOAD PDF ANGLES FORMED BY SECANTS AND TANGENTS WORKSHEET

## Chapter 1 : Circles - Secant-tangent angles Worksheets

*Some of the worksheets displayed are 11 secant tangent and tangent tangent angles, Arcs and angles formed by secants and tangents from a, Secant angles, Unit 12 work 4, Circles angles, Geometry work angles formed by chords secants and, Hampton high school geometry lesson plan tangents of, 11 secant tangent and tangent tangent angles.*

In Lesson 2, students continue their investigation of circles by looking further into the angle relationships found in circles. They follow a logical pattern from the topics discussed in Lesson 1 and progress toward a deeper understanding of circles and their characteristics. Students are provided with the means to demonstrate their understanding through various activities and independent practice. Lesson 2 encourages student engagement through the use of technology activities. It also provides students an opportunity to take responsibility for learning into their own hands. The structure of this lesson is designed to equip students with the skills needed to use similar concepts independently as well as apply learned knowledge in new situations. The PowerPoint presentation and handouts will help keep students organized and on track during the lesson. The use of extensions and critical-thinking activities allows students to make meaning of their learning and apply it to future learning situations. Throughout the lesson, students are given opportunities to reflect on their learning through critical-thinking activities. During the lesson, students have opportunities to revise their thought processes based on examples and guided-practice problems. The suggested questions allow students to evaluate their thought processes and revise their thinking. Finally, an independent assignment provides students with the opportunity to revisit the topic and demonstrate their understanding. Your feedback is critical to assist students in finding where they need to revise their thought processes. Students are able to express their understanding of the concepts at various stages in the lesson. Students are allowed the time to perform self-evaluations to determine where they have questions and need to make revisions. Lesson 2 also provides students an opportunity to demonstrate their understanding through a writing assignment. Formative assessments provide students time to express their understanding, and teacher feedback will assist students in performing meaningful self-evaluations. This lesson provides two approaches to teaching the concepts. Use the approach that best fits the needs of your classroom. Extension activities are provided to address the needs of a variety of classroom settings. Using the Technology Explorations option, students can move from an investigative approach to learning to an independent level with minimal direct instruction. Be sure to provide assistance to any students who miss pieces of the learning when using this method. If proper checking for understanding does not take place, students may have gaps in their understanding that will show up quickly when they attempt to do independent activities. Option 2 of the lesson takes a direct-instruction approach to teaching, but allows students the opportunity to practice and apply their learning through the same critical-thinking and extension activities. Model through reasoning with them. Throughout the lesson, based on the results of formative assessment, consider the pacing of the lesson to be flexible based on the needs of the students. Encourage students to use the words by prompting and identifying. Use graphic organizers to help students understand the process. Put in partner groups when using different resources. Encourage discussion between them. These activities are exploratory in nature and guide students to the discovery of the important theorems and rules discussed in this lesson. After students take time to work through these activities, introduce the lesson presentation in Option 2 to fill in any learning gaps and to verify that students received the appropriate information to work independently. Option 2 This instruction option skips the introductory activities and begins with direct instruction of concepts. Students will use this chart to record important definitions, formulas, and theorems throughout the unit. This document will help students organize important information so they can more easily locate it when working with the problems. The document will also be a great review and study tool for the assessments during and after the unit. All examples and concepts are already in the Lesson 2 PowerPoint. So you can go through the PowerPoint, discuss topics as they come along, give students time to record information, and model the concepts for students. If whiteboard technology

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is not available, possible alternatives include printing slides onto overhead transparencies or drawing examples on the board. Introduce the lesson using the first slide: This lesson is about angles and arc measures made when a circle is intersected by tangents and secants. Display these for students to record on their Concept Builder worksheets. After the class discusses the definitions on slide 2, slide 3 introduces a critical-thinking question for students to think about and then answer independently. After 2 to 4 minutes, have a class discussion about their thoughts. They are the same thing, but a chord is a segment and a secant is a line. Recalling earlier concepts, a segment is actually a portion of a line, thus a chord is just the inner portion of the secant. Therefore, every secant contains a chord. Slides 4-7 introduce the important theorems of the lesson. Make sure to give students time to copy these on the Concept Builder worksheet while you discuss the theorems. Slide 5 asks students to conjecture about how to apply this theorem to the other side of a circle. This question is checking that students can apply the concept to all circles since not all circles will have their secants and tangents drawn in the same orientation as the original theorem. Slide 6 has students draw the three situations mentioned in the theorem. Students can do this on a piece of paper. The goal is to have students translate the verbal description into a visual representation. Thus, when students see slide 7, for example, they can apply the rules and formulas to their drawings. This gives them different perspectives on the rules.

## Chapter 2 : Tangents, Chords, Angles (with worksheets, videos, games & activities)

*Arcs and Angles Formed by Secants and Tangents from a Point Outside A Circle URL on the angles and arcs formed by tangents & secants from a point outside the circle.*

## Chapter 3 : Tangent, secants, their arcs, and angles--Formula, Pictures, Interactive Demo and practice pro

*Secants And Tangents Showing top 8 worksheets in the category - Secants And Tangents. Some of the worksheets displayed are Arcs and angles formed by secants and tangents from a, 11 secant tangent and tangent tangent angles, Hampton high school geometry lesson plan tangents of, Unit 12 work 4, Unit 9 syllabus circles, Circles review, Find the.*

## Chapter 4 : Angles formed by Chords, Secants, and Tangents

*Secant-Tangent and Tangent-Tangent Angles Date \_\_\_\_\_ Period \_\_\_\_\_ Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.*

## Chapter 5 : Secants And Tangents Worksheets - Printable Worksheets

*Unit 12 Worksheet #4 - Angles formed by Chords, Secants & Tangents Vertex is Inside the Circle - Find each measure. Vertex is On the Circle - Find each measure.*

## Chapter 6 : Secants, Tangents, and Angle Measure - SAS

*Chords Tangents Arcs. Showing top 8 worksheets in the category - Chords Tangents Arcs. Some of the worksheets displayed are Arcs and angles formed by secants and tangents from a, Circles review, Hampton high school geometry lesson plan tangents of, Circles chords secants and tangents, Angles arcs and segments in circles polygons and, Unit 9 syllabus circles, 11 secant tangent and tangent.*

## Chapter 7 : Angles Formed By Secants Worksheets - Printable Worksheets

*Students learn the following theorems related to chords, secants, and tangents. The measure of an angle formed by two*

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*chords that intersect inside a circle is equal to half the sum of the measures of the intercepted arcs.*

## Chapter 8 : Chords Tangents Arcs Worksheets - Teacher Worksheets

*Topic: Chords Secants Tangents in Circles - Worksheet 1 Do the following: Given: circle with two chords as marked. Given AE BE CE DE Find x 1.*

## Chapter 9 : Chords Tangents Arcs Worksheets - Lesson Worksheets

*Angles Formed by Chords, Tangents & Secants Rotate to landscape screen format on a mobile phone or small tablet to use the Mathway widget, a free math problem solver that answers your questions with step-by-step explanations.*