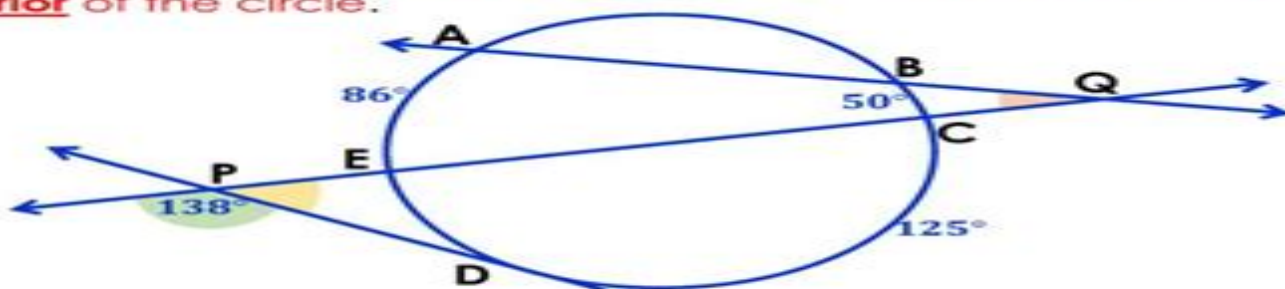


NAME QUARTER GRADE & SECTION DATE **Activity: Angles Formed by Secants and Tangents**

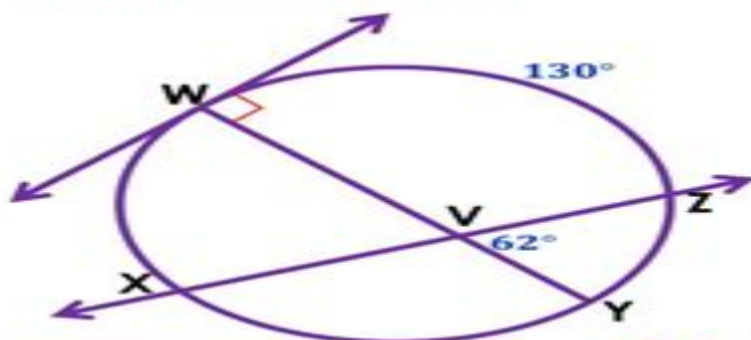
- I. Determine the measure of the indicated arc/angle using the **theorems on secants and tangents** whose intersection is in the **exterior** of the circle.



- $m\angle BQC =$
- $m\angle EPD =$
- $m\widehat{ED} =$

- $m\widehat{CDE} =$
- $m\widehat{CBE} =$
- $m\widehat{AB} =$

- II. Determine the measure of the indicated arc/angle using the **theorems on secants and tangents** whose intersection is in the **interior** of the circle.



- $m\angle WVZ =$
- $m\angle WVX =$
- $m\widehat{YZ} =$
- $m\widehat{XY} =$
- $m\widehat{WX} =$
- $m\widehat{WZY} =$

How many attempts? ____
How well did you do? ____



Need help!



Just OK!



Splendid

I HAVE TO KEEP IN MIND THAT...

Secant Angle Relationships Key

William Rossiter

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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Great Ideas for Introducing Key Concepts in Mathematics Alfred S. Posamentier, Herbert A. Hauptman, 2006-05-12 Multiply math mastery and interest with these inspired teaching tactics Invigorate instruction and engage students with this treasure trove of Great Ideas compiled by two of the greatest minds in mathematics From commonly taught topics in algebra geometry trigonometry and statistics to more advanced explorations into indirect proofs binomial theorem irrationality relativity and more this guide outlines actual equations and techniques that will inspire veteran and new educators alike This updated second edition offers more proven practices for bringing math concepts to life in the classroom including 114 innovative strategies organized by subject area User friendly content identifying objective materials and procedure for each technique A range of teaching models including hands on and computer based methods Specific and straightforward examples with step by step lessons Written by two distinguished leaders in the field mathematician author professor university dean and popular commentator Alfred S Posamentier along with mathematical pioneer and Nobel Prize recipient Herbert A Hauptman this guide brings a refreshing perspective to secondary math instruction to spark renewed interest and

success among students and teachers

Technical Drawing with Engineering Graphics Frederick E. Giesecke, Shawna Lockhart, Marla Goodman, Cindy M. Johnson, 2023-02-16 This full color text offers a clear complete introduction and detailed reference for creating 3D models and 2D documentation drawings Building on its reputation as a trusted reference this edition expands on the role that 3D CAD databases now play in design and documentation Superbly integrated illustrations text step by step instructions and navigation make it easier than ever to master key skills and knowledge Throughout the authors demonstrate 3D and 2D drawing skills and CAD usage in real world work practice in today s leading disciplines They combine strong technical detail real world examples and current standards materials industries and processes all in a format that is efficient colorful and visual Features Splash Spread Appealing chapter opener provides context and motivation References and Web Links Useful weblinks and standards provided upfront in each chapter Understanding Section Foundational introductions tabbed for easy navigation outline each topic s importance use visualization tips and theory Detail Section Detailed well tested explanations of drawing techniques variations and examples organized into quick read sections numbered for easy reference CAD at Work Section Breakout pages offer tips on generating drawings from 2D or 3D models Portfolio Section Examples of finished drawings show how techniques are applied in the real world Key Words Italicized on first reference summarized after each chapter Chapter Summaries and Review Questions Efficiently reinforce learning Exercises Outstanding problem sets with updated exercises including parts assembly drawings from CAD models sketching problems and orthographic projections

What Successful Math Teachers Do, Grades 6-12 Alfred S. Posamentier, Terri L. Germain-Williams, Daniel Jaye, 2013-07-11 What works in math and why has never been the issue the research is all out there Where teachers struggle is the how Something the research rarely manages to tackle That s the big service What Successful Math Teachers Do provides It s a powerful portal to what the best research looks like in practice strategy by strategy aligned in this new edition to both the Common Core and the NCTM Standards How exactly does What Successful Math Teachers Do work It couldn t be easier to navigate The book s eleven chapters organize clusters of strategies around a single aspect of a typical instructional program For each of the 75 strategies the authors present A brief description of that strategy A summary of supporting research The NCTM and Common Core Standards it meets and how Classroom applications with examples Precautions and possible pitfalls Primary sources for further reading and research

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