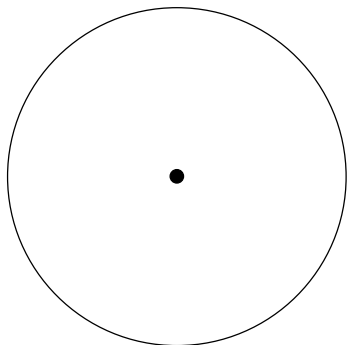


SLO: I can solve problems involving the relationship between segments of secants & tangents.

Problems worthy of attack prove their worth by fighting back. —Piet Hein THE ROAD TO WISDOM? Well, it's plain and simple to express. Err and err and err again, but less and less and less. —Piet Hein.

VOCABULARY (have your vocabulary sheet out EVERY day)

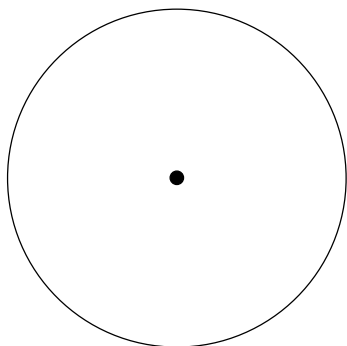
(1) TO READ AND DO: Use the website link for Task 9&10 #1 or your textbook to investigate the relationship between segments of 2 intersecting tangents. Drag points to change the values. Complete one sketch that illustrates a special relationship that you found. Be sure to label the points of intersections with their letters and the chord segments with their lengths.



Write an equation that summarizes the relationship between the measures of the segments of intersecting chords. Include a labeled diagram.

Equation: _____

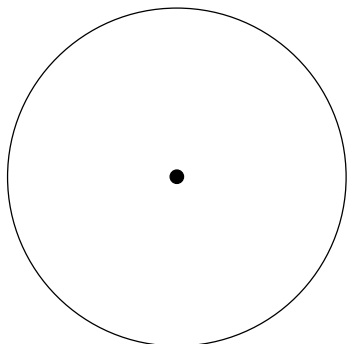
(2) TO READ AND DO: Use the website link for Task 9&10 #2 or your textbook to investigate the relationship between segments of a secant and tangent that intersect. Drag points to change the values. Complete one sketch that illustrates a special relationship that you found. Be sure to label the points of intersections with their letters and the chord segments with their lengths.



Write an equation that summarizes the relationship between the measures of the segments of a secant and tangent that intersect. Include a labeled diagram.

Equation: _____

(2) TO READ AND DO: Use the website link for Task 9&10 #3 or your textbook to investigate the relationship between segments of secants that intersect outside of the circle. Drag points to change the values. Complete one sketch that illustrates a special relationship that you found. Be sure to label the points of intersections with their letters and the chord segments with their lengths.



Write an equation that summarizes the relationship between the measures of the segments of secants that intersect outside of the circle. Include a labeled diagram.

Equation: _____

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Find the variable or the indicated segment measure. *** Highlighting segments can be helpful

