
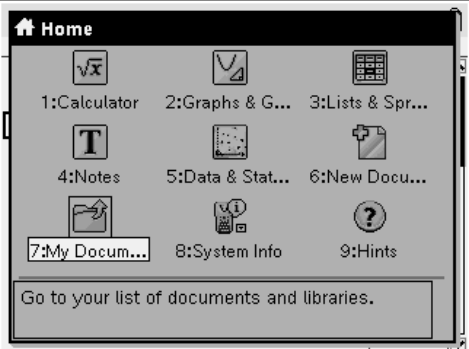

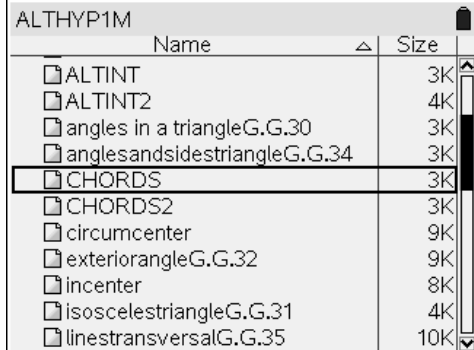

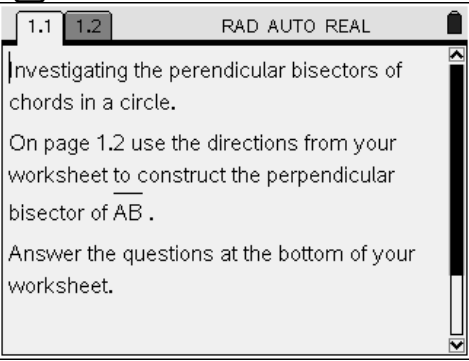

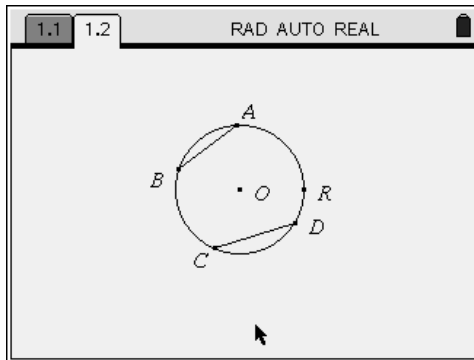


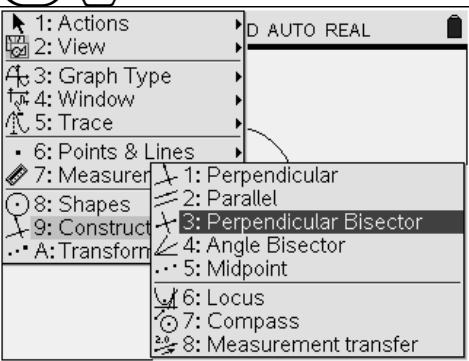

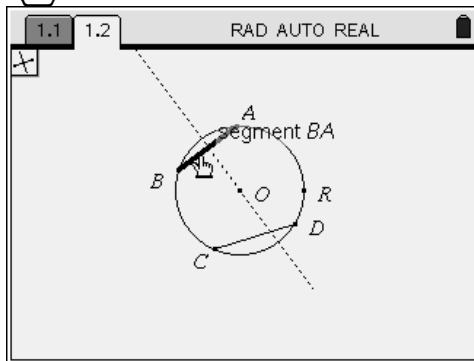



TI-Nspire: Student Worksheet for G.G. 49 [perpendicular bisectors of chords](#)

<p>After turning on your handheld press </p> 	<p>Select My documents </p> <p>Open Folder Geometry NY</p> <p>Select CHORDS</p>  <table border="1"> <thead> <tr> <th>Name</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>ALTINT</td><td>3K</td></tr> <tr><td>ALTINT2</td><td>4K</td></tr> <tr><td>angles in a triangleG.G.30</td><td>3K</td></tr> <tr><td>anglesandsidetriangleG.G.34</td><td>3K</td></tr> <tr><td><b>CHORDS</b></td><td><b>3K</b></td></tr> <tr><td>CHORDS2</td><td>3K</td></tr> <tr><td>circumcenter</td><td>9K</td></tr> <tr><td>exteriorangleG.G.32</td><td>9K</td></tr> <tr><td>incenter</td><td>8K</td></tr> <tr><td>isoscelestriangleG.G.31</td><td>4K</td></tr> <tr><td>linestransversalG.G.35</td><td>10K</td></tr> </tbody> </table>	Name	Size	ALTINT	3K	ALTINT2	4K	angles in a triangleG.G.30	3K	anglesandsidetriangleG.G.34	3K	<b>CHORDS</b>	<b>3K</b>	CHORDS2	3K	circumcenter	9K	exteriorangleG.G.32	9K	incenter	8K	isoscelestriangleG.G.31	4K	linestransversalG.G.35	10K
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<p></p>  <p>Investigating the perpendicular bisectors of chords in a circle.</p> <p>On page 1.2 use the directions from your worksheet to construct the perpendicular bisector of <math>\overline{AB}</math>.</p> <p>Answer the questions at the bottom of your worksheet.</p>	<p></p> 																								
<p> </p>  <ul style="list-style-type: none"> <li>1: Actions</li> <li>2: View</li> <li>3: Graph Type</li> <li>4: Window</li> <li>5: Trace</li> <li>6: Points &amp; Lines</li> <li>7: Measure             <ul style="list-style-type: none"> <li>1: Perpendicular</li> <li>2: Parallel</li> <li><b>3: Perpendicular Bisector</b></li> <li>4: Angle Bisector</li> <li>5: Midpoint</li> </ul> </li> <li>8: Shapes             <ul style="list-style-type: none"> <li>6: Locus</li> <li>7: Compass</li> <li>8: Measurement transfer</li> </ul> </li> <li>9: Construct</li> <li>A: Transform</li> </ul>	<p> scroll an select chord AB</p>  <p>Press  to paste the perpendicular bisector.</p>																								

1.) Select, grab and drag point A or point B. What seems to be true about the perpendicular bisector of chord AB?

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2.) Construct the perpendicular bisector of chord CD. What is true of the perpendicular bisectors of chords AB and CD?

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3.) If you are given the following diagram how would you locate the center of the circle?

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