

ZMATH 2006c.01801

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Exploration of angles and circles.

ON-Math 3, No. 3, 10 p. (2005).

The activity, using an interactive geometry tool such as The Geometer's Sketchpad, was created for middle school students to explore mathematical relationships between angles and their intercepted arcs with circles. The activity could also be used with elementary school students to help them learn geometric terminology and notations and to explore angle and arc relationships when moving various points on a circle. In the activity students explore the circle angle and arc relationships, looking at four different locations of the vertex of the angle - at the center of the circle, on the circle, outside the circle, and inside the circle but not at the center. The intent is to have students discover the relationship between the location of the vertex of the angle and the measure of the intercepted arc.

Classification: G43 U70 R20