

PROBLEMS



The diagram shows a circle with a center point. Several points are marked on the circumference of the circle. Lines connect these points to form a polygon inscribed within the circle. The diagram is used to illustrate a problem involving the geometry of a circle and an inscribed polygon.

1. A circle has a radius of 5 units. A chord of length 8 units is drawn. Find the distance from the center of the circle to the chord.