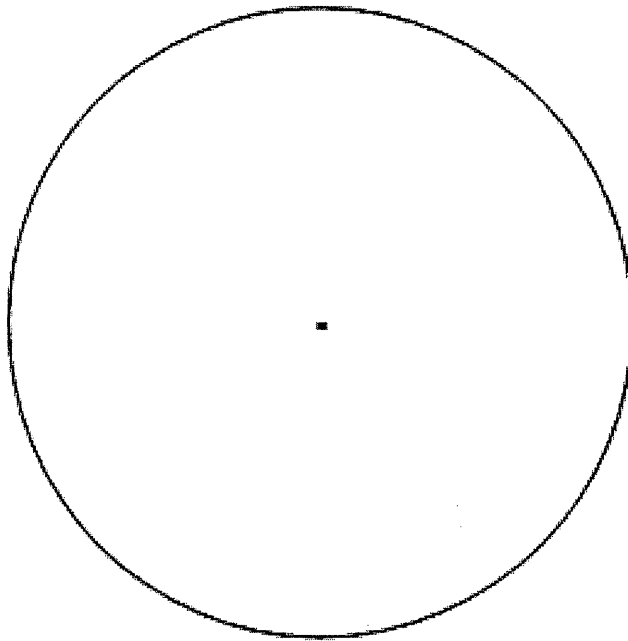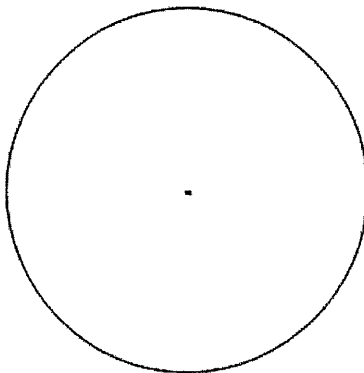# Hexagon Inscribed in a Circle
Practice

1. Construct the largest regular hexagon that will fit in the circle below.
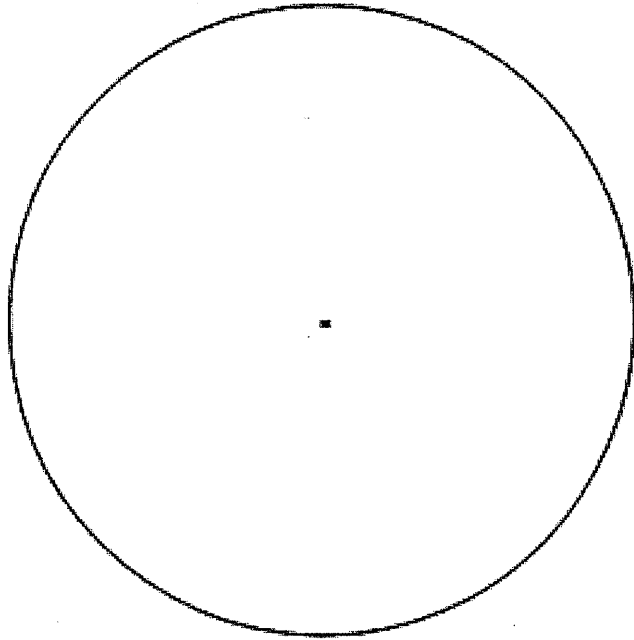
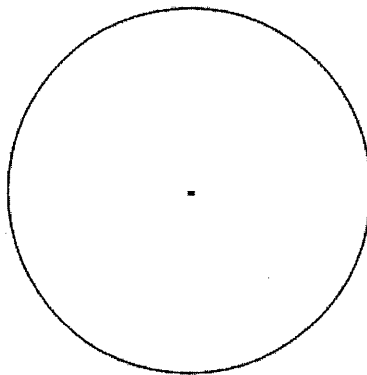**2.** Construct a regular hexagon inscribed in the circle.

Equilateral Triangle Inscribed in a Circle Practice

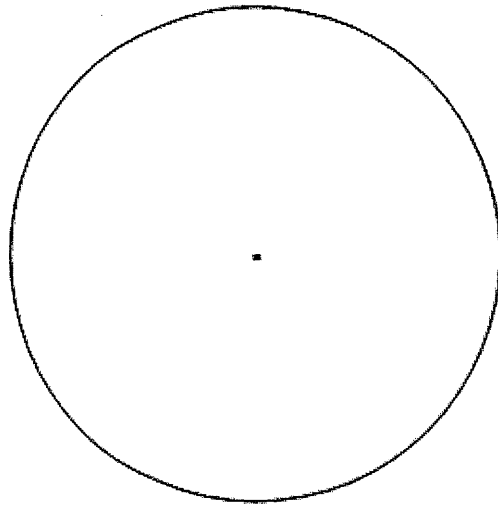1. Construct the largest equilateral triangle that will fit in the circle below.

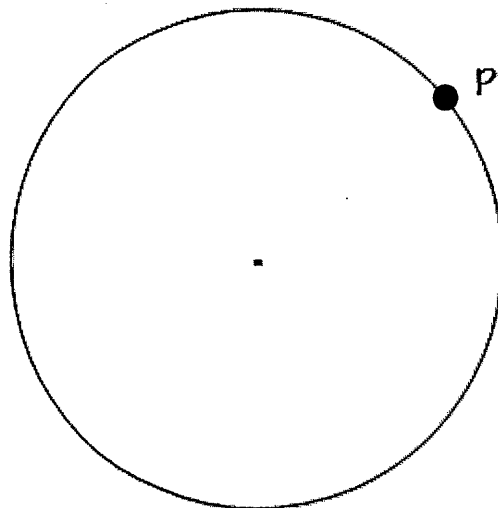2. Construct an equilateral triangle inscribed in the circle.

Square Inscribed in a Circle
Practice

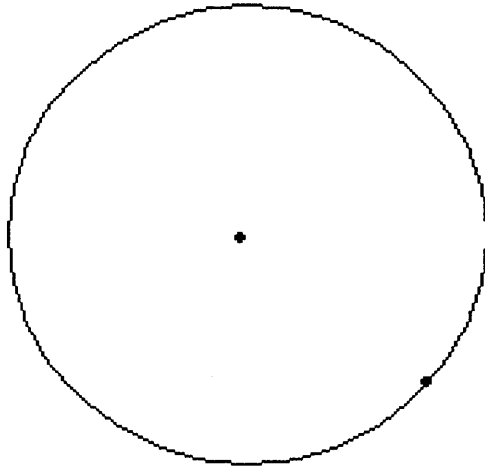1. Construct a square inscribed in the circle below.

2. Construct a square inscribed in the circle below, with one vertex of the square on the point P.
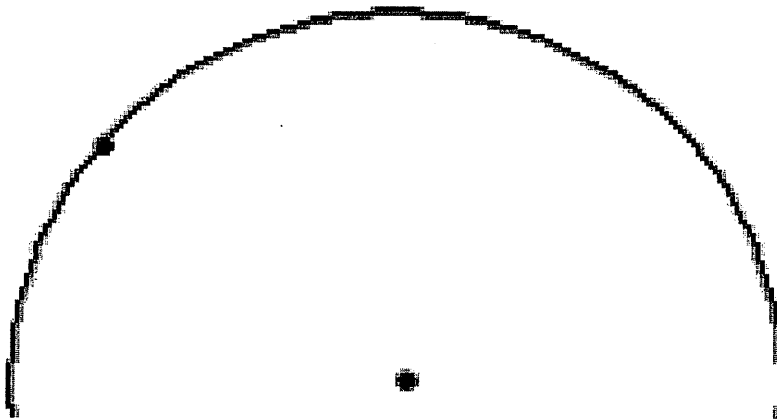
P

Tangent to a Point on a Circle
Practice

1. Construct the tangent to the circle below at the point shown.
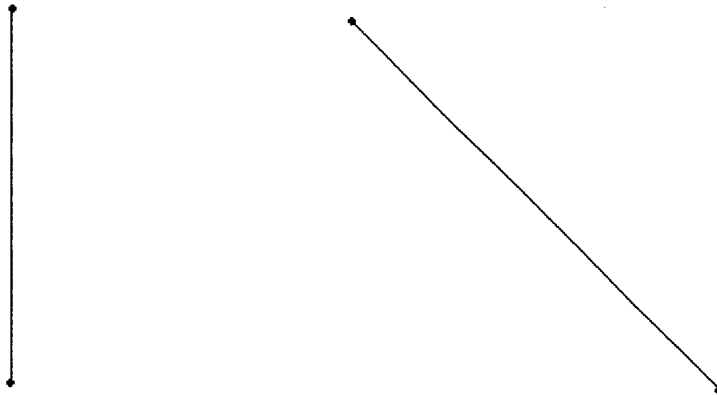
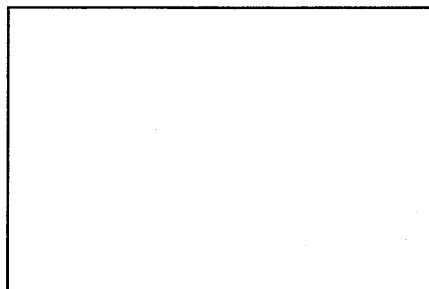**2.** Construct the tangent to the arc below at the point shown.

Perpendicular Bisector of a Segment
Practice

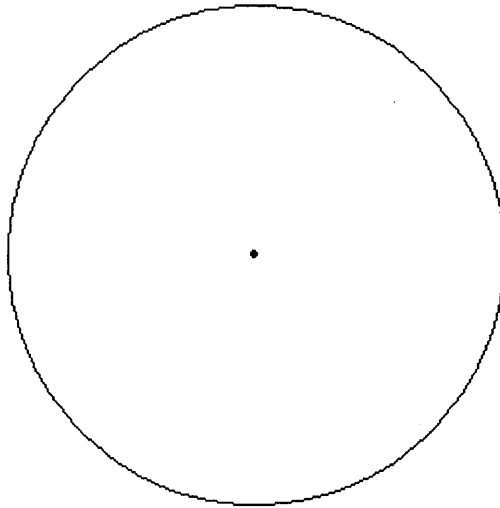1. Draw the perpendicular bisector of both of the lines below.

2. Construct the four perpendicular bisectors of the sides of
    the rectangle, below, using the fewest arcs and lines.
    (The record: 3 arcs, 2 lines)

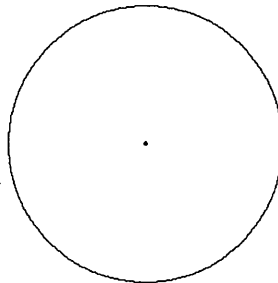# Tangent to a Circle from an External Point Practice

1. Construct the two tangents to the circle that pass through the point P.

• P

2. Construct the two tangents to the circle that pass through the point P.
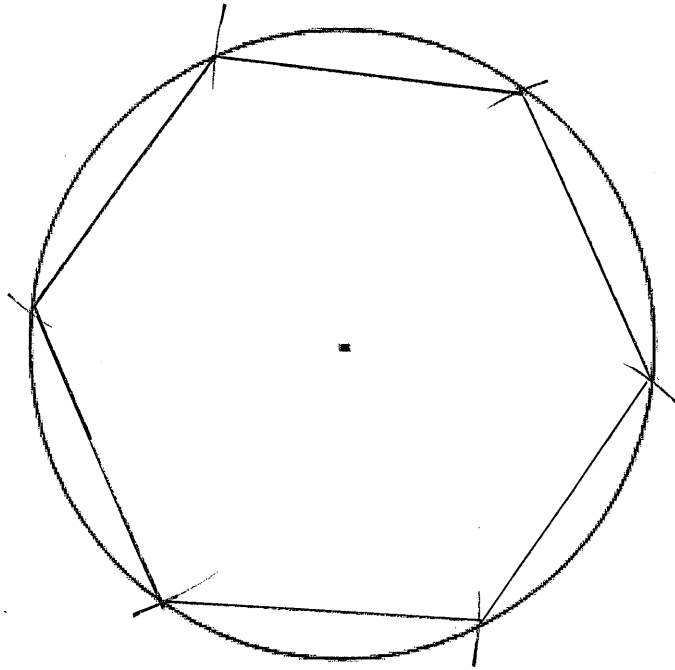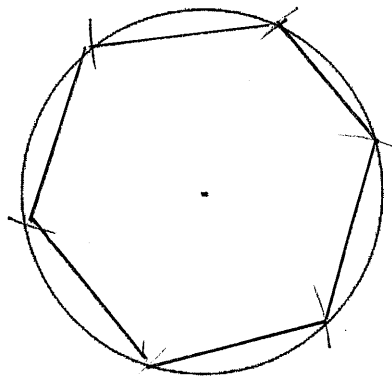
● P

Hexagon Inscribed in a Circle
Practice

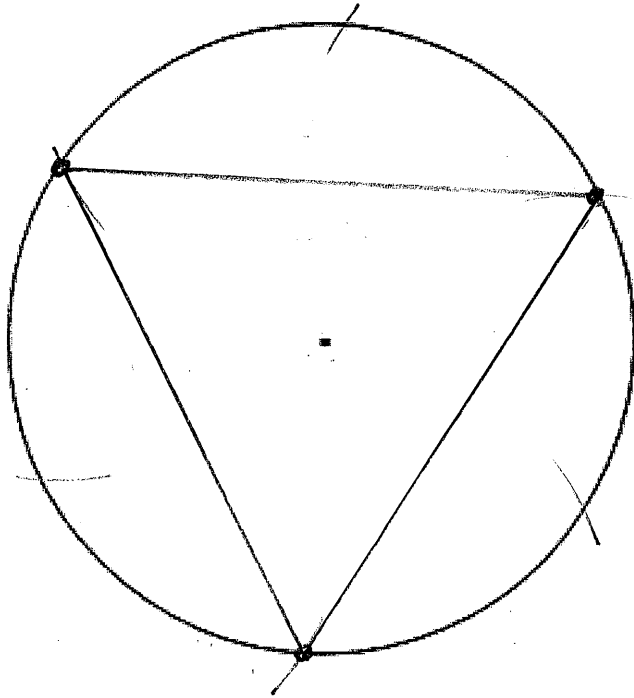1. Construct the largest regular hexagon that will fit in the circle below.

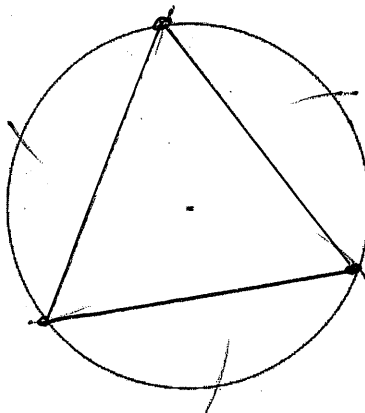2. Construct a regular hexagon inscribed in the circle.

Equilateral Triangle Inscribed in a Circle
Practice

1. Construct the largest equilateral triangle that will fit in the circle below.
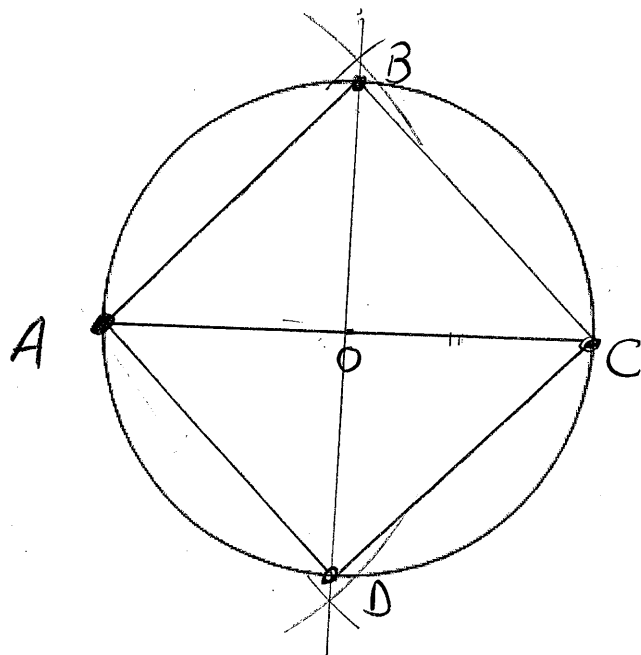
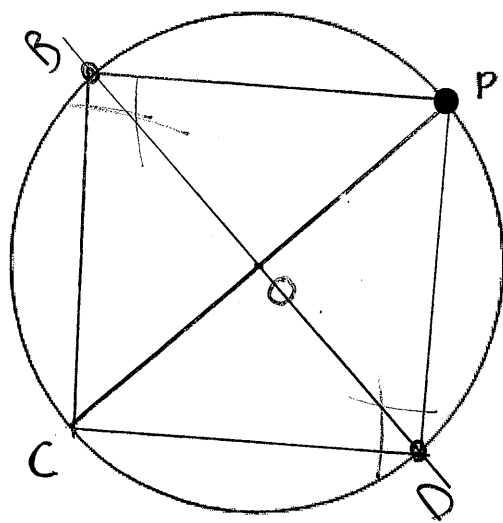2. Construct an equilateral triangle inscribed in the circle.

Square Inscribed in a Circle
Practice

1. Construct a square inscribed in the circle below.
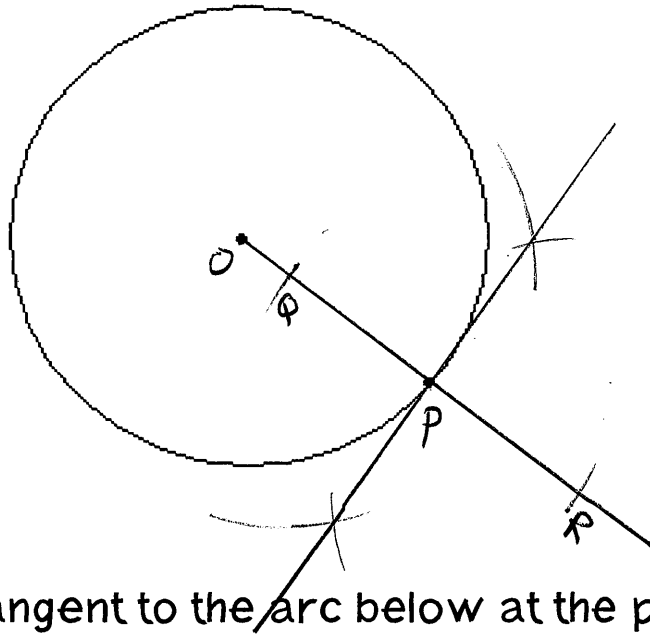

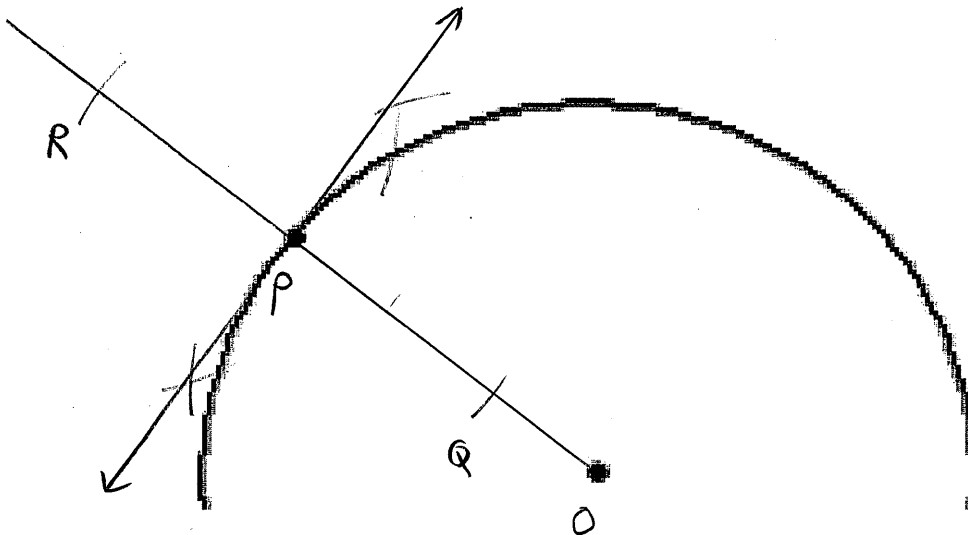2. Construct a square inscribed in the circle below, with one vertex of the square on the point P.

Tangent to a Point on a Circle
Practice

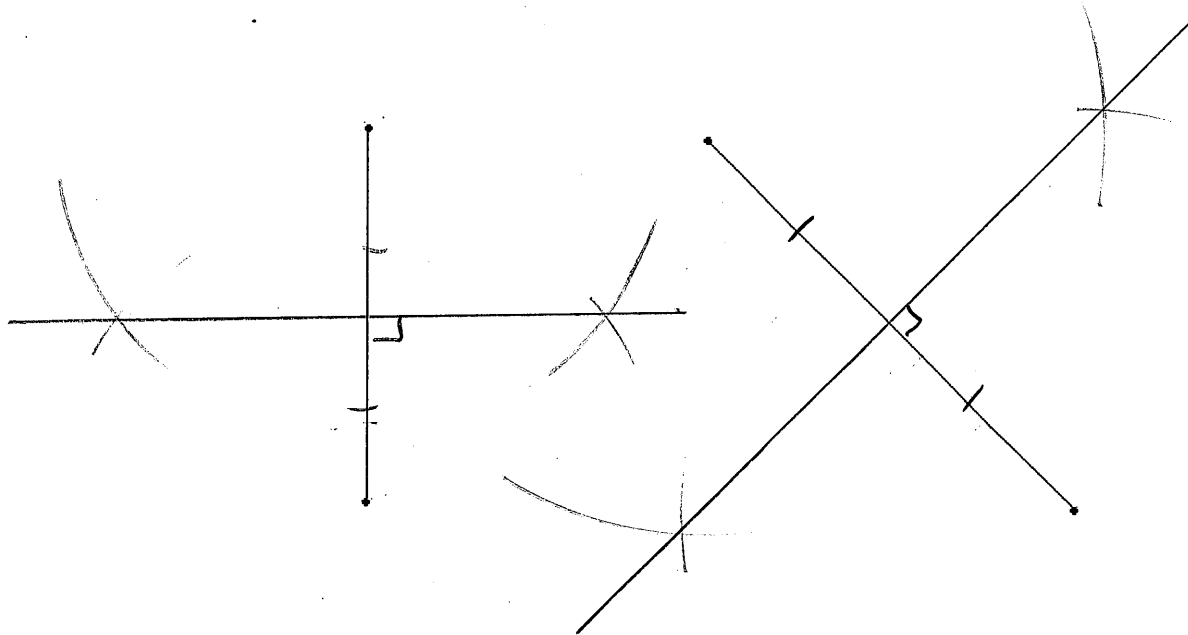1. Construct the tangent to the circle below at the point shown.

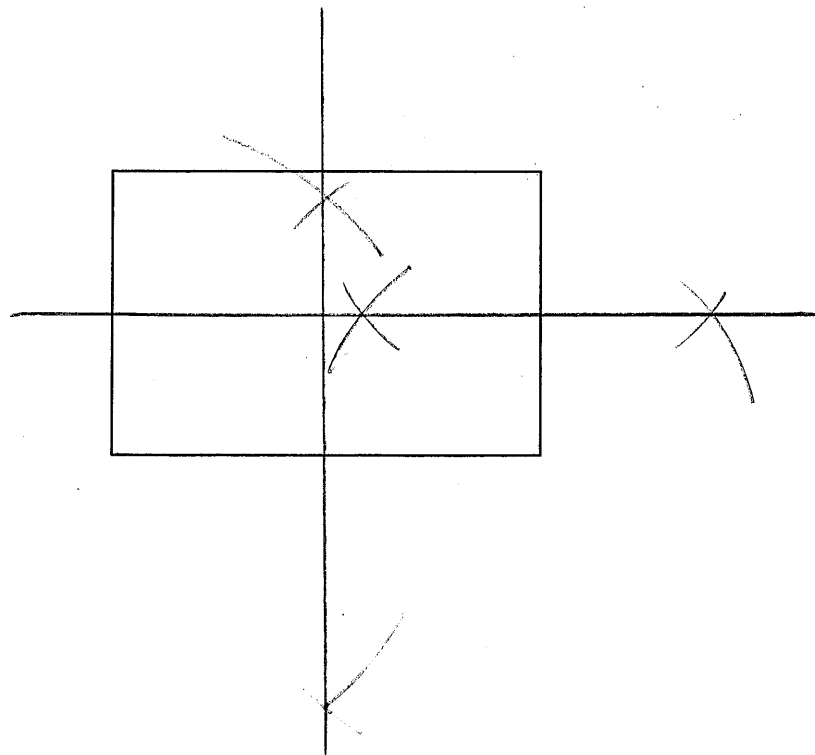2. Construct the tangent to the arc below at the point shown.

Perpendicular Bisector of a Segment
Practice

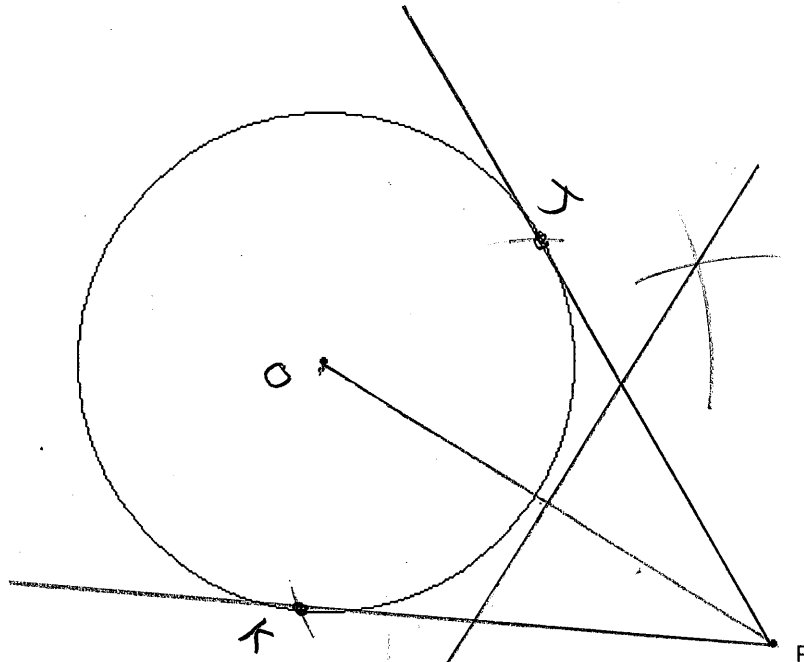**1.** Draw the perpendicular bisector of both of the lines below.

2. Construct the four perpendicular bisectors of the sides of the rectangle, below, using the fewest arcs and lines.
(The record: 3 arcs, 2 lines)

Tangent to a Circle from an External Point
Practice

1. Construct the two tangents to the circle that pass through the point P.

2. Construct the two tangents to the circle that pass through the point P.