1. What is the relationship between the perimeter of a convex regular n-sided polygon with a side s whose area equals that of a circle of radius r to the circumference of that circle?

2. Evaluate this relationship for n = 3, 4, and 5. Compare with problem 243.

3. What happens as n becomes very large?

Four angles are measured to control points A, B, C, and D as shown. What are the coordinates of points P and Q?