7.3 - Challenge Problems
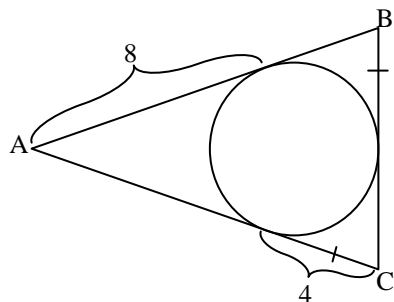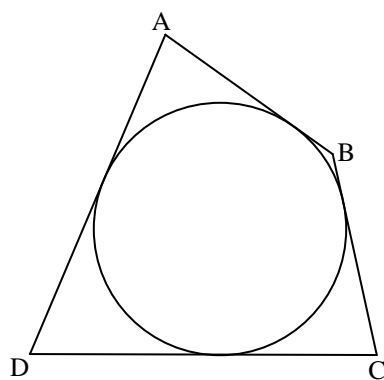
1)   What is the perimeter of triangle ABC?

2) Quadrilateral ABCD is circumscribed about a circle. Discover and show a relationship between $AB + DC$ and $AD + BC$.

3) $\overline{PA}$, $\overline{PB}$, and $\overline{RS}$ are tangents. Explain why $PR + RS + SP = PA + PB$.

C