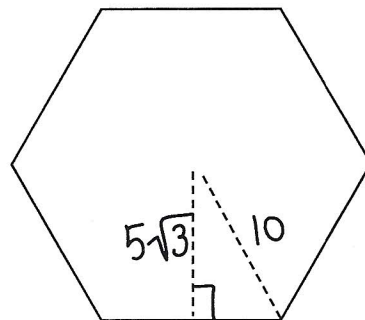
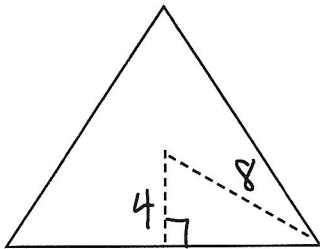
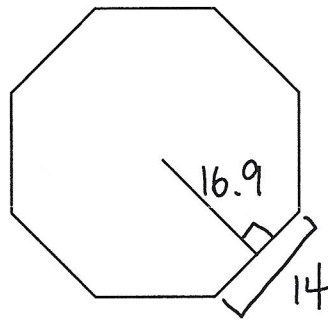
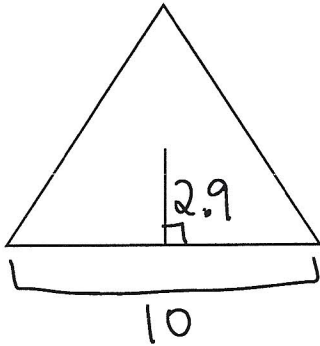


Geometry
Regular Polygons

Name Alexander Linder

1. Find the area of each regular polygon:



2. The perimeter of a regular polygon is 40. The apothem is 3. Find the polygon's area.

3. An equilateral triangle has an apothem of 8. Find the area of the triangle.

4. Find the area of a regular hexagon with a side length of 12.

5. Find the area of a regular hexagon with apothem length of 12.

6. Find the perimeter of a regular polygon whose area is 100 and whose apothem is 10.

7. The radius of a regular hexagon is 10. Find:
 - a. The length of one side
 - b. The length of the apothem
 - c. The area of the hexagon

