Name:
Date: $\qquad$
Polygon Sum and Exterior Angle Sum Theorem
Directions: For each polygon, solve for $x$ and $y$.
1.

2.

3.

4.

5.

6. This is a regular hexagon

7. This is a regular pentagon

8.
9. This is a regular heptagon.

10. An exterior angle of an $n$-sided regular polygon has a measure of $60^{\circ}$. How many sides does the polygon have?

