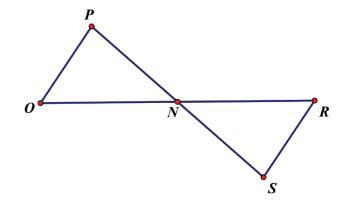
Geometry – Congruent Triangles
 Name

 12a Homework: Corresponding Parts of Congruent Triangles
 Pd _____ Date _____

- - **B.** Given that $m \angle D = 4y + 12$ and $m \angle C = 5y 8$ and $m \angle F = 6y 34$, set-up an appropriate equation. Then, solve your equation and use your solution to determine the measures of all angles of both triangles.
- **2.** In the diagram below, $\Delta PNO \cong \Delta SNR$.
 - **A.** If PN = 7, what segment must also have a length of 7 units?
 - **B.** If *SR* = 13.5, what segment must also have a length of 13.5 units?
 - C. If $m \angle P = 84^\circ$, what other angle must also have a measure of 84° ?



D. If $m \angle PNO = 7x + 20$ and $m \angle RNS = 13x - 4$, determine the measure of both angles.