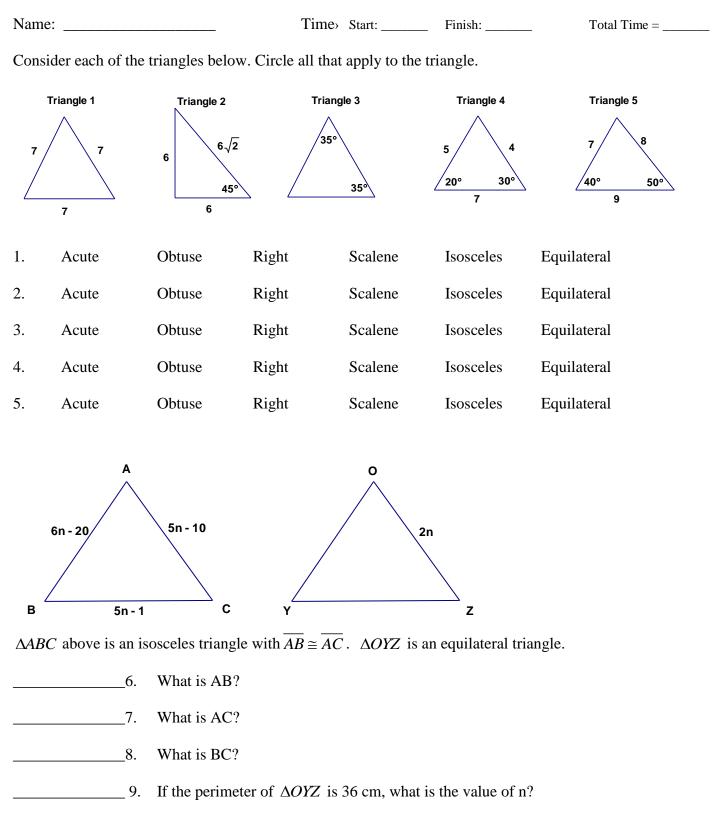
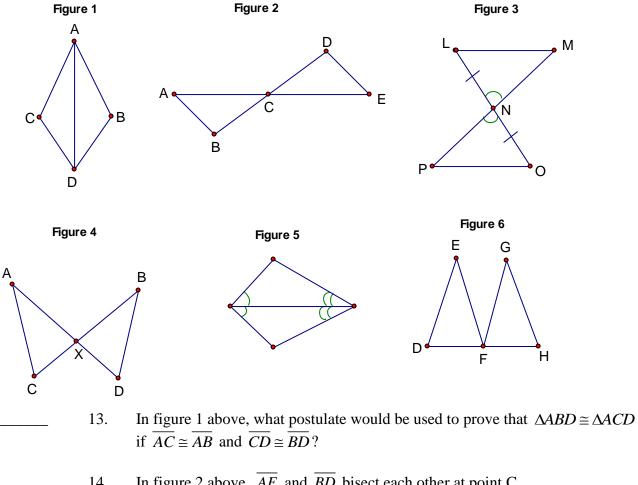
Geometry Chapter 4 Practice Test 2



Given that $\triangle NOP \cong \triangle BXD$, complete the statements below.

10.	$\overline{XD} \cong$	11.	$\angle X \cong$	12.	$\overline{PO} \cong$



- 14. In figure 2 above, \overline{AE} and \overline{BD} bisect each other at point C. What postulate would be used to prove that $\triangle ABC \cong \triangle EDC$?
- 15. In figure 3 above, what additional information is needed to prove that ΔMNL is congruent to ΔPNO by ASA?
 - 16. In figure 4 above, AX = BX and CX = DX. What postulate would be used to prove that $\triangle AXC \cong \triangle BXD$?
- 17. In figure 5 above, what postulate would be used to prove that the triangles are congruent?
- 18.In figure 6 above, which statement below does NOT necessarily
describe the triangles shown if $\triangle DEF \cong \triangle FGH$?A. $\triangle EDF \cong \triangle GFH$ C.B. $\triangle FED \cong \triangle HGF$ D.D. $\triangle FDE \cong \triangle FHG$
- 19. What would be the slope of the line perpendicular to y = -5x 6?
- 20. What would be the slope of the line parallel to y = -2x 6?
- 21. Give the equation of the line parallel to 2x 2y = 8 and that goes through (1, 5)
- 22. Give the equation of the line that goes through (-2, 8) and is perpendicular to y = 2x 1.

Decide whether you can use SSS, ASA, AAS, SAS, or HL to prove that the given triangles are congruent. If you can't prove congruency, write NP for "not possible."

