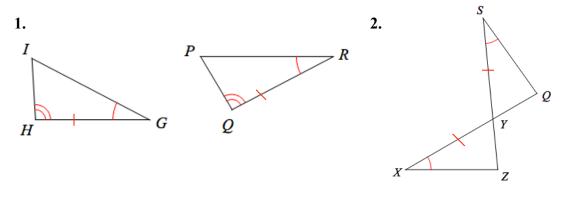
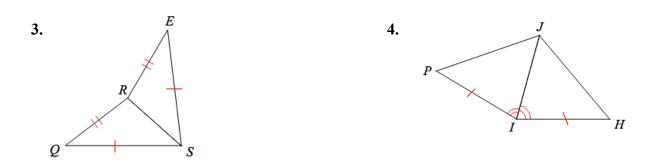
Geometry – Congruent Triangles	Name		
12b Homework: Triangle Congruence Theorems	Pd	Date	

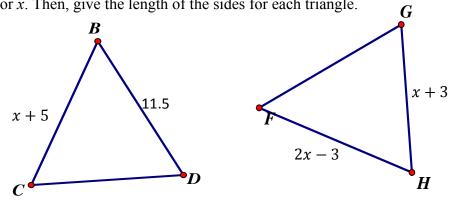
In 1-4, state what you know about the measurements of the sides and/or angles. Use that information to prove the triangles are congruent using one of your four methods: SSS, SAS, ASA, and AAS. Write a congruence statement for each followed by each the reason you know the triangles are congruent.





5. What does CPCTC mean?

6. Given  $\triangle BCD \cong \triangle FHG$ , solve for x. Then, give the length of the sides for each triangle.



7. Using the above triangles, we are given that  $m \angle D = (4y + 12)^\circ$ ,  $m \angle C = (5y - 8)^\circ$ , and  $m \angle F = (6y - 34)^\circ$ . Solve for y and use y to find all the angle measures.