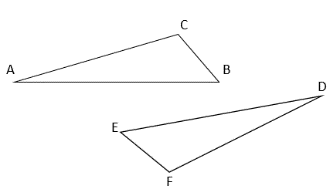
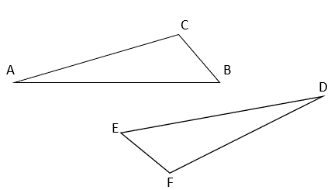
7. m∠ Z = m∠ V= m∠ H = m∠ P =

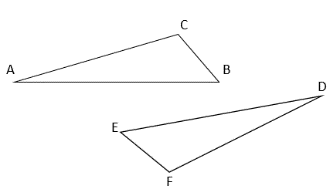
ΔXYZ ~ΔHPV

Determine if the given information proves the triangles are congruent. State which reason justifies your decision.

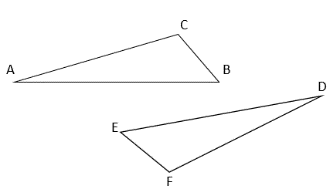
8. Given: ≅ ∠B ≅ ∠E, ∠C ≅ ∠F



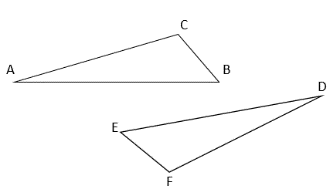
9. Given: ≅



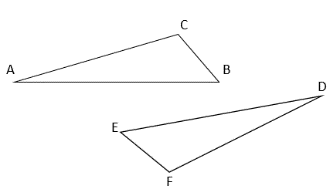
10. Given: ≅ , ∠D ≅ ∠A



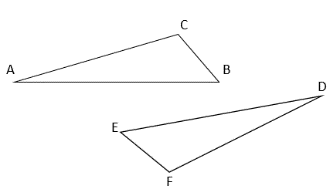
11. Given: ∠C and ∠F are right angles, ≅



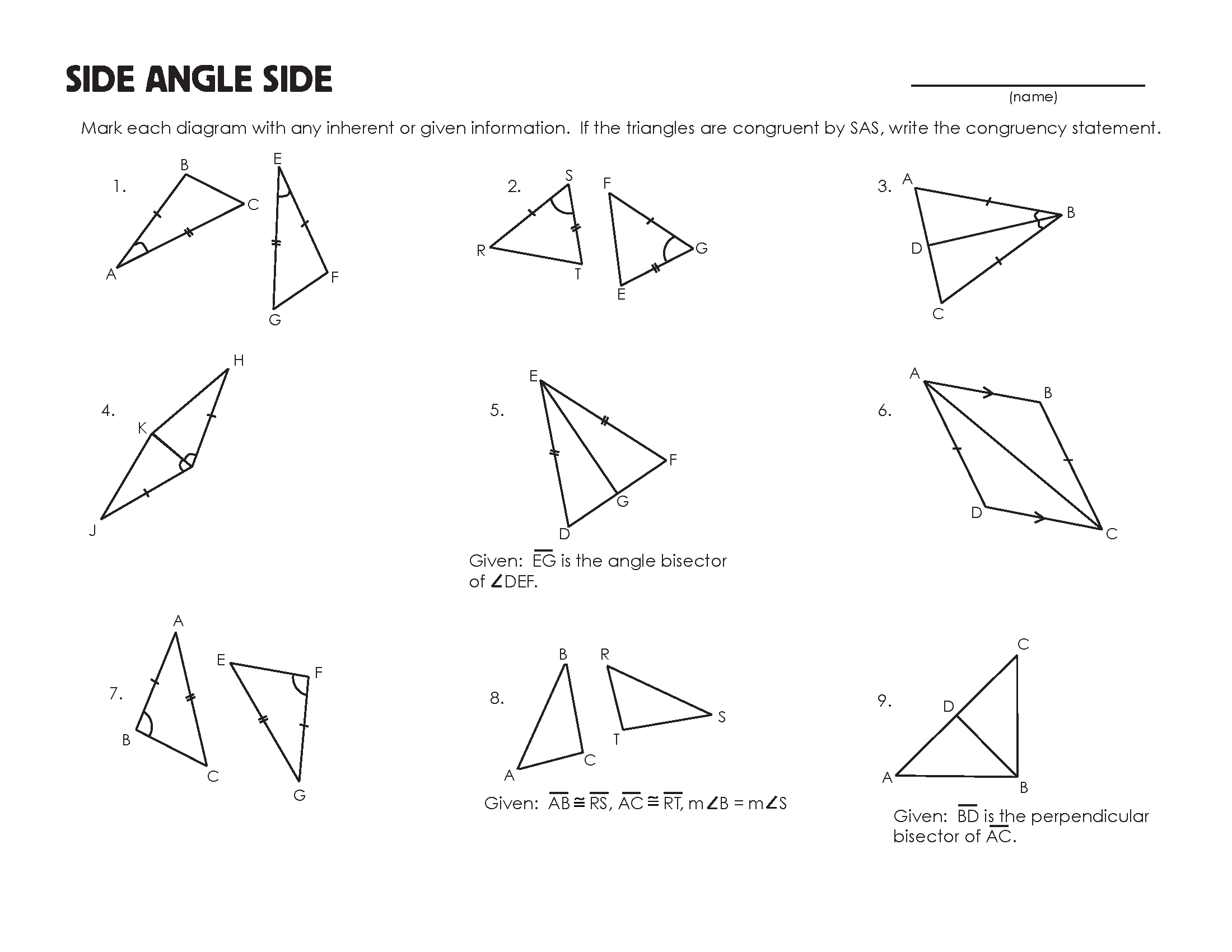
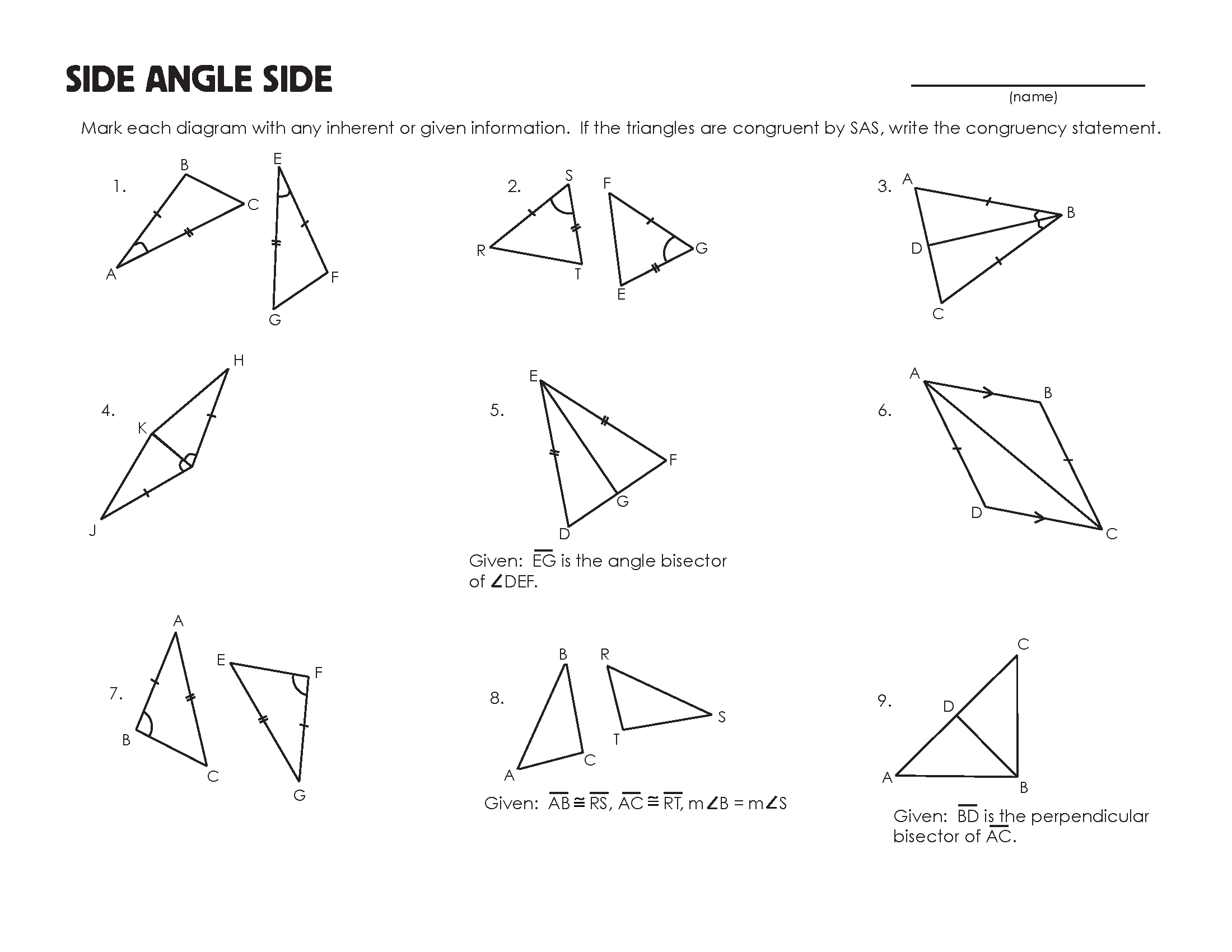
12. Given: ∠B ≅ ∠E, ∠C ≅ ∠F, ∠D ≅ ∠A



13. Given: , ≅ ∠F ≅ ∠C

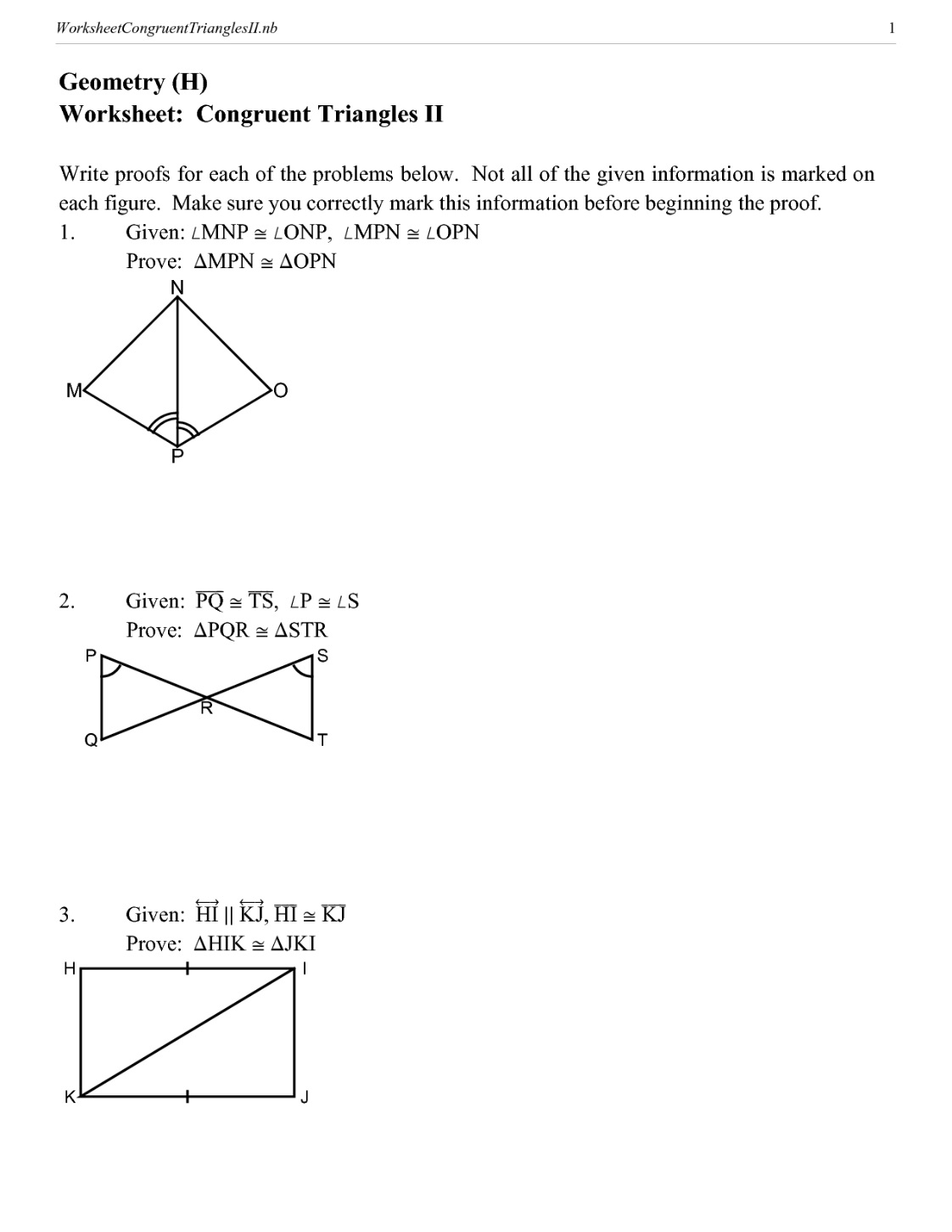
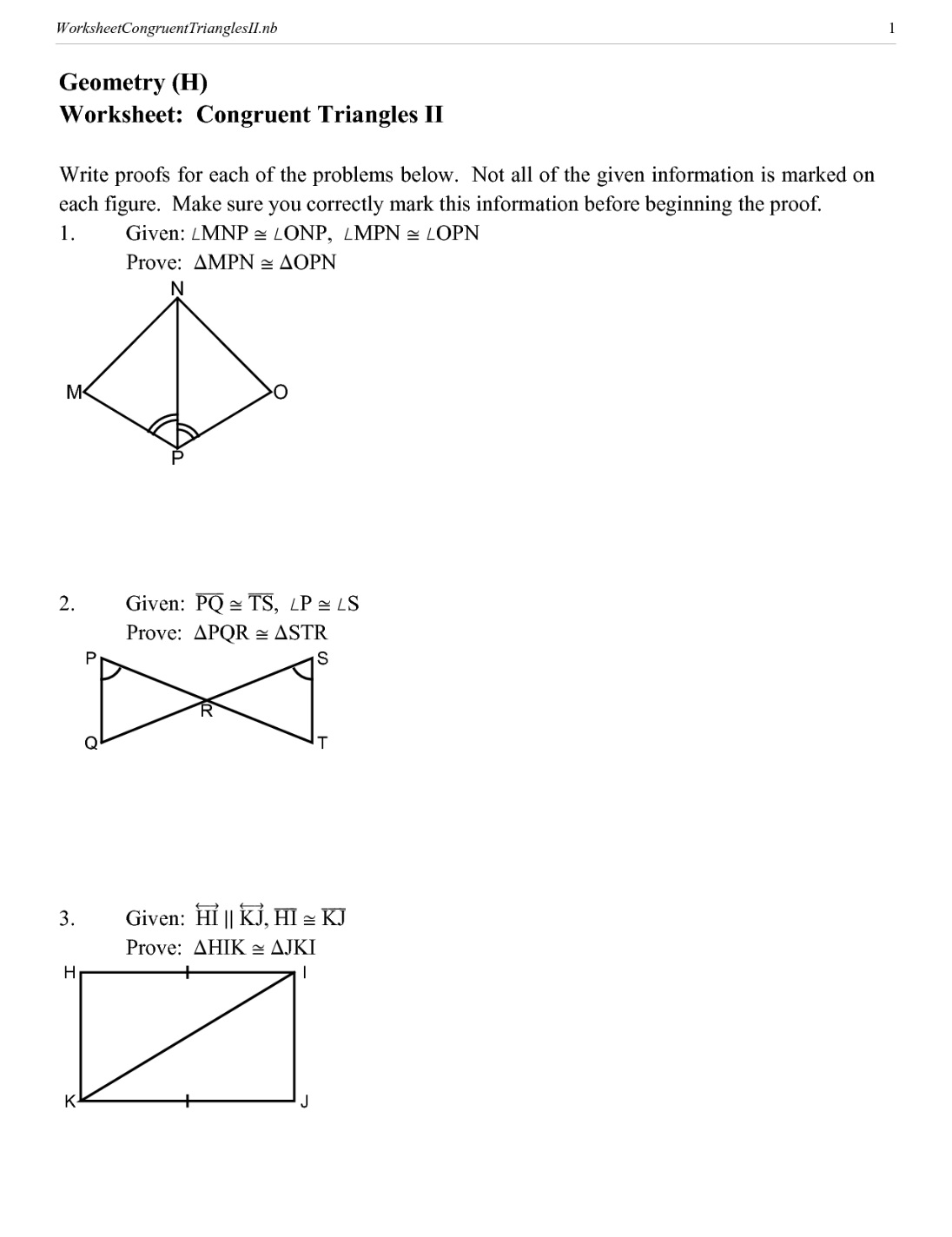
14. Given: ∠C ≅ ∠F, ∠D ≅ ∠A,

What additional information do you need to prove the triangles congruent by the given reason?

15. by AAS if ∠C ≅ ∠T, ∠R ≅ ∠A 16. by SAS if , ≅

Given , complete the statements.

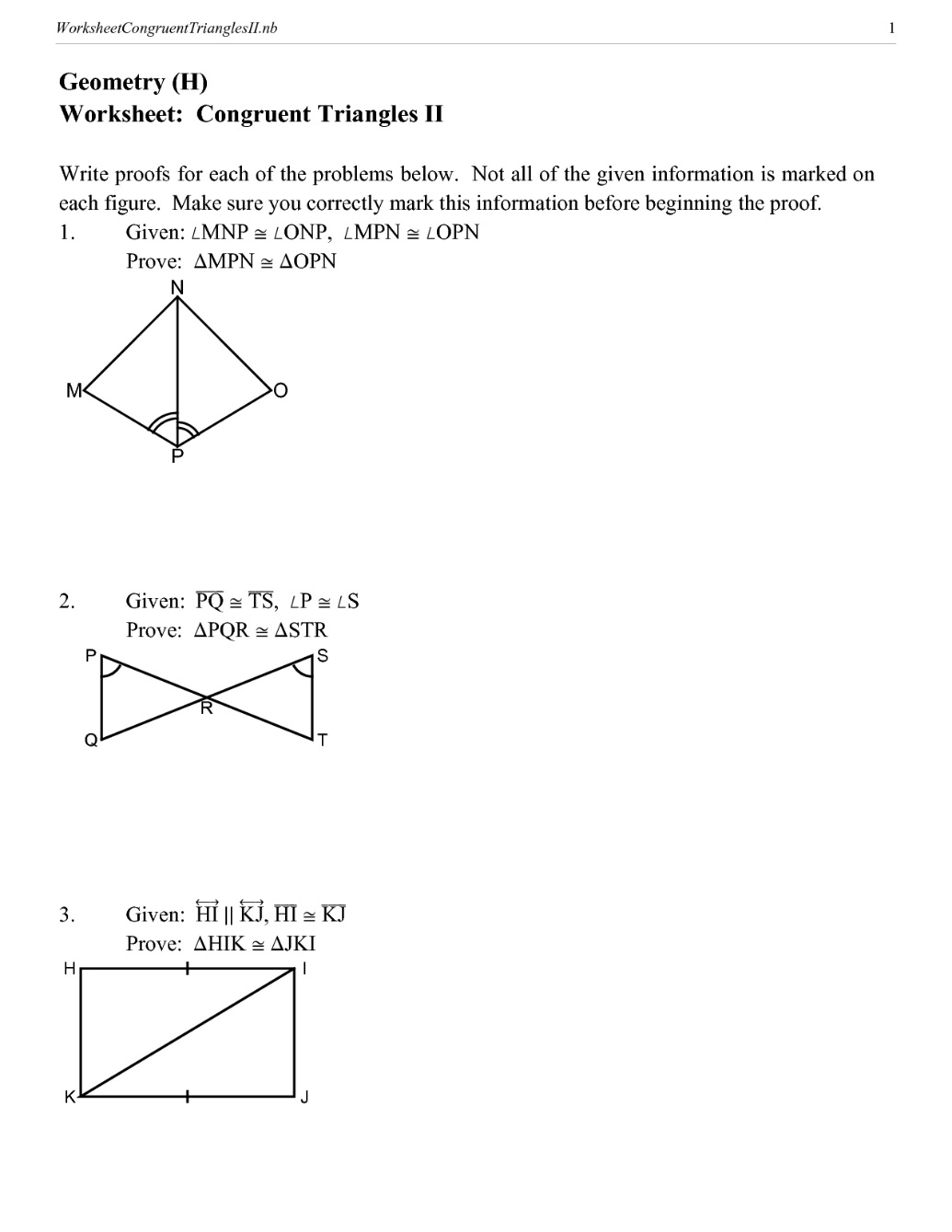
17. ∠D ≅ \_\_\_\_\_\_\_\_\_ 18. \_\_\_\_\_\_\_\_\_\_ 19. ΔCDE ≅ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write a flow proof for the following:

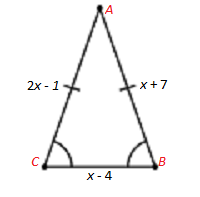
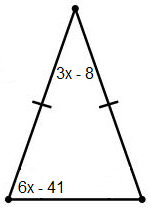
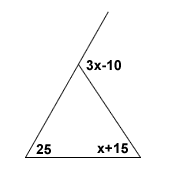
20. Given: ∠MPN ≅ ∠OPN

22.

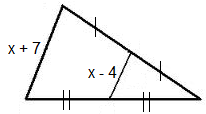
21.

 bisects ∠ MNO

Review Questions:

Solve for x.

23. 24. 25.

26. 27.