Name the method so demonstrate congruence

1. You fold a square piece of paper along its diagonal.
2. You cut a sandwich exactly in half diagonally.
3. Two swing set roofs are the same triangular shape and size.
4. Two flags have sides 6 in, 6 in, and 8 in.
5. A triangular road sign is reflected in a mirror.
6. A kite is made of two identical triangular pieces.
7. Two triangular warning signs are made from the same mold.
8. Triangular corner braces under a table are identical.
9. You break an isosceles triangular chocolate bar down its height.
10. Cookies are cut into triangles using the same cutter.
11. A snowflake shows identical repeating triangles.
12. Two triangular birthday hats are made from the same template.
13. Kids build triangles using sticks 5 ft long.
14. Triangular crayon box sections are identical.
15. Drawing a 5-pointed star creates identical inner triangles.
16. Triangular bridge supports with sides 12 ft, 16 ft, and 20 ft.
17. Two school roof trusses are right triangles with sides 9, 12, and 15 m.
18. A picture frame is a triangle with sides 10 cm, 10 cm, and 12 cm. Another frame is identical.
19. Two road dividers have matching angles and a matching side between them.
20. Fence pieces form triangles with sides 8 ft and 6 ft and an included 60° angle.

21. A tent has two identical triangular side panels.
22. Basketball court logos have equal angles and side between.
23. Folding a map into two triangular parts along a center line.
24. A logo is designed with two identical triangles with matching sides.
25. Dog agility ramps form identical triangles.
26. The wrapper folds on an ice cream cone form triangles.
27. Wall decorations are matching triangular pieces.
28. Aquarium glass panels form matching triangles.
29. A poster board triangle has angles 50°, 60°, and 70°, another has the same angles and one side.
30. Pathways in a park form identical triangles.
31. Architectural trusses with sides 15 ft, 20 ft, and 25 ft.
32. The bicycle frame front triangle matches another.
33. Bridge cables form right triangles with legs 6 m and 8 m.
34. Tent sides with hypotenuse 10 ft and one leg 6 ft.
35. Solar panel supports with sides 5 ft, 12 ft, and 13 ft.
36. Stadium roof segments form right triangles.
37. Pyramid faces are triangular and identical.
38. Sculpture triangular panels with sides 7 ft, 24 ft, and 25 ft.
39. Drone landing mat marked with identical triangles.
40. Skyscraper triangular braces with two sides equal and included angle equal.

Answer Key

Problem	Congruent?	Rule
1	Yes	SSS
2	Yes	SSS
3	Yes	Definition
4	Yes	SSS
5	Yes	Reflection (SSS)
6	Yes	SSS
7	Yes	Definition
8	Yes	SSS
9	Yes	SSS
10	Yes	Definition
11	Yes	Symmetry
12	Yes	Definition
13	Yes	SSS
14	Yes	Definition
15	Yes	Symmetry
16	Yes	SSS
17	Yes	RHS
18	Yes	SSS
19	Yes	ASA
20	Yes	SAS
21	Yes	SSS
22	Yes	ASA
23	Yes	Reflection (SSS)
24	Yes	SSS
25	Yes	SSS
26	Yes	SSS
27	Yes	SSS or SAS
28	Yes	SSS
29	Yes	ASA
30	Yes	SSS or SAS
31	Yes	SSS
32	Yes	SAS
33	Yes	RHS
34	Yes	RHS
35	Yes	SSS

Problem	Congruent?	Rule
36	Yes	RHS
37	Yes	SSS
38	Yes	SSS
39	Yes	SSS
40	Yes	SAS