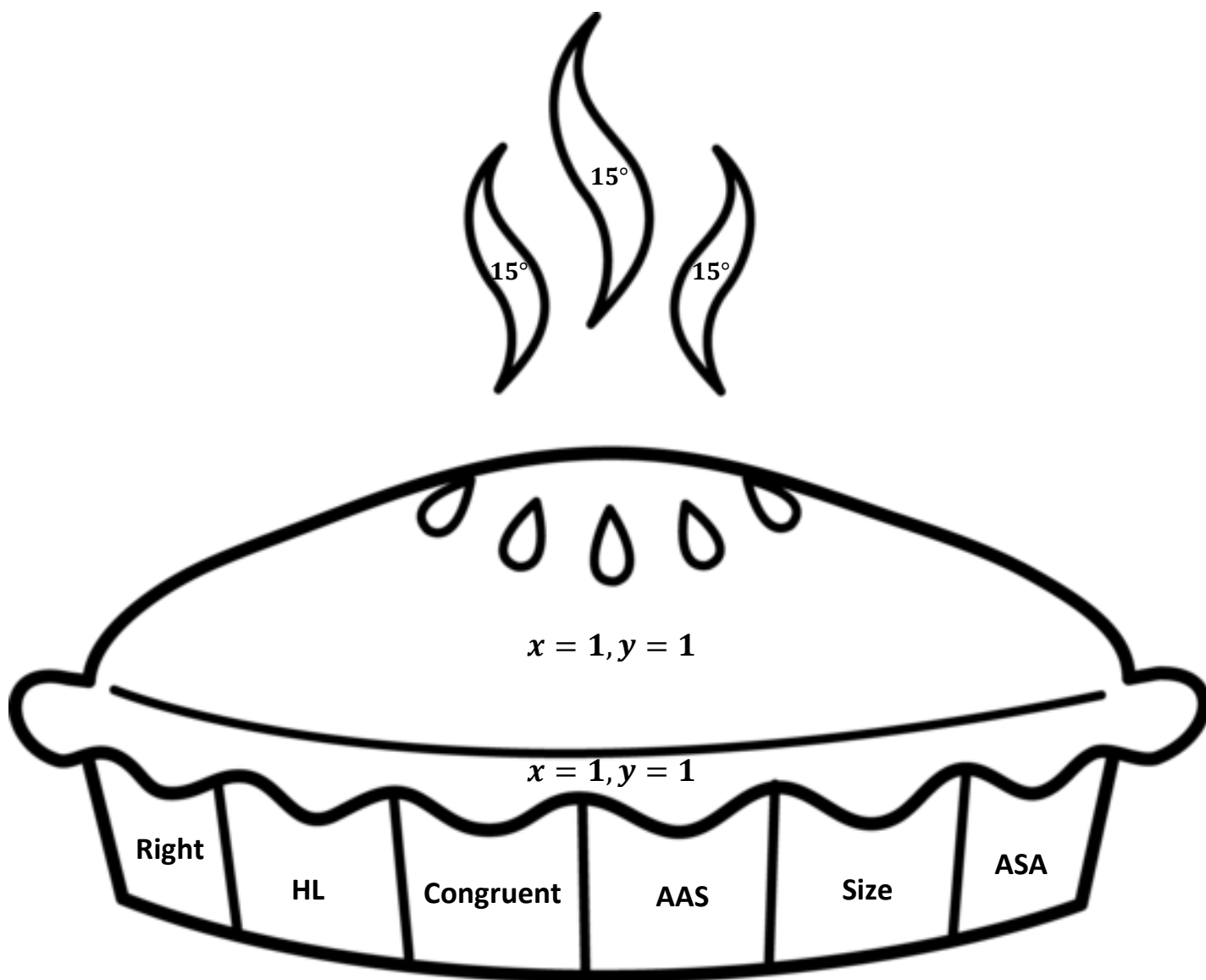


Name: _____ Period: _____ Date: _____

Thanksgiving Color Match Activity TRIANGLE CONGRUENCE BY ASA AND AAS

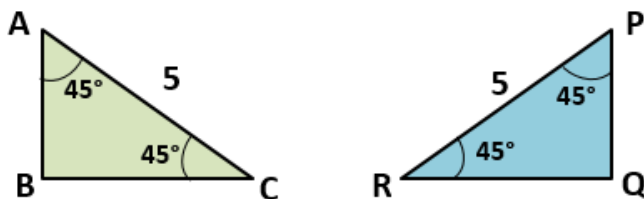


Directions: Answer the questions. Find your answer on the Thanks-Giving Pumpkin Pie. Then color according to your answers.

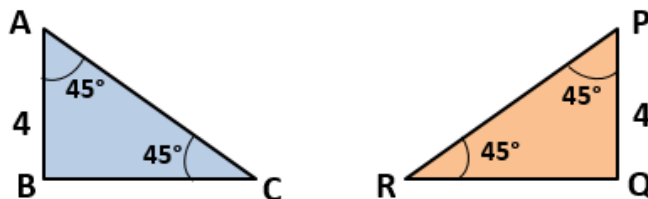
1. Two triangles are congruent if they have the same shape and the same _____. **(PINK)**

2. If the two angles and their included side of one triangle is congruent to the two angles and their included side of another triangle, then the two triangles are said to be _____. **(RED)**

3. The triangles in below figure are congruent by _____ postulate. **(YELLOW)**

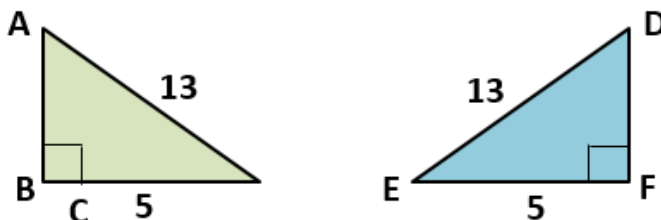


4. The triangles in figure below are congruent by _____ postulate. **(ORANGE)**

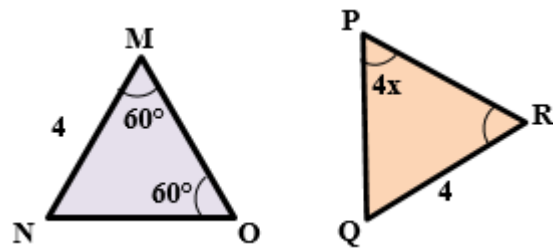


5. The hypotenuse-leg postulate applies to the _____ triangles. **(PURPLE)**

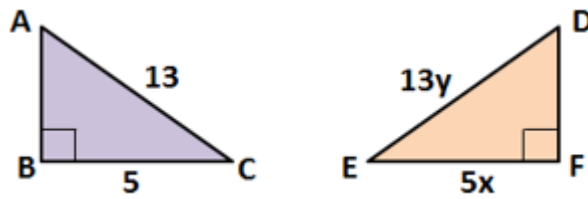
6. The triangles in figure below are congruent by _____ postulate. **(GREEN)**

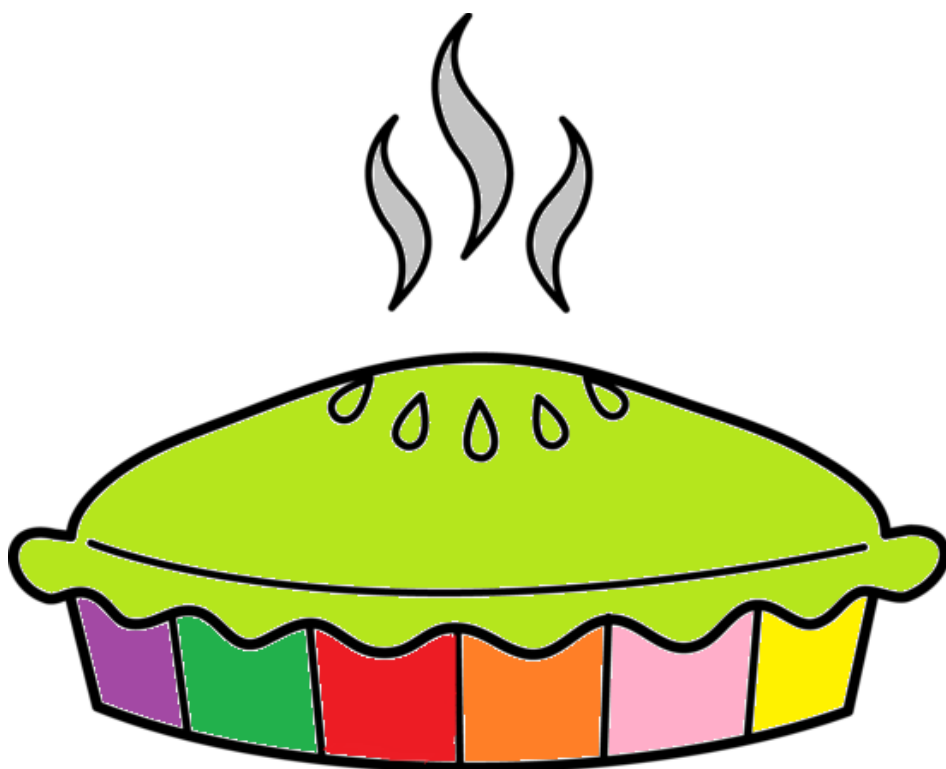


7. What will be the value of x if two triangles are congruent? (**GREY**)



8. What will be the value of x and y if both right triangles are congruent? (**LIGHT GREEN**)





Answers:

1. Size
2. Congruent
3. ASA
4. AAS
5. Right
6. HL
7. 15°
8. 3