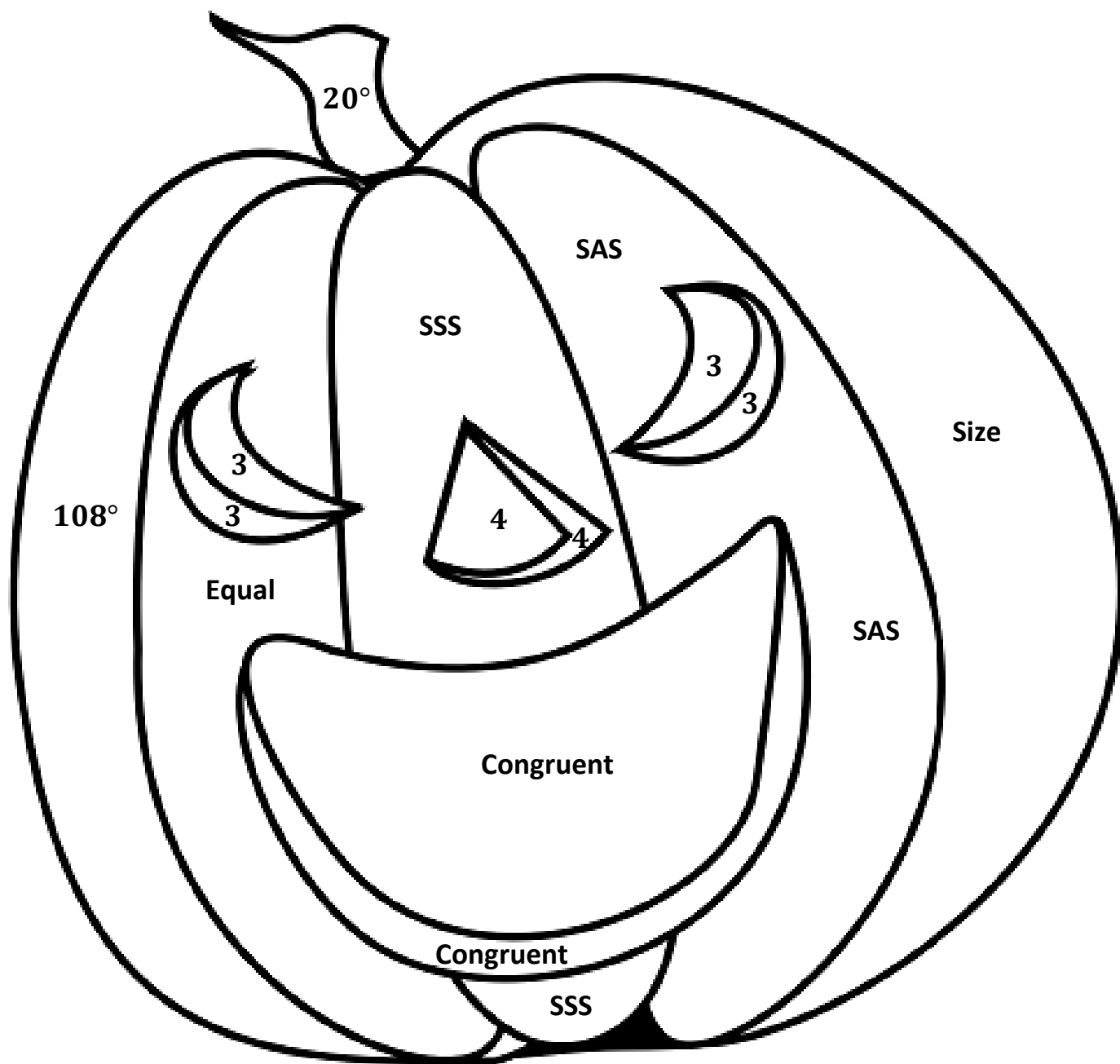


Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

# Thanksgiving Color Match Activity TRIANGLE CONGRUENCE BY SSS AND SAS



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

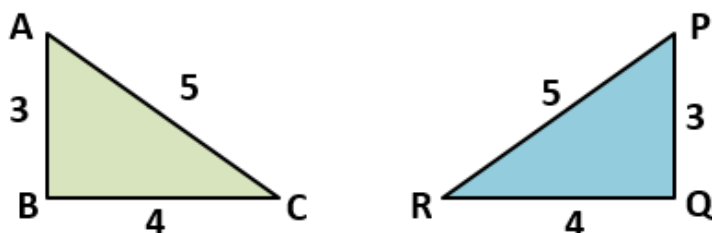
1. Two triangles are congruent if they have the same shape and the same \_\_\_\_\_. **(ORANGE)**

2. In the figure given below, what is the value of angle  $y$ ? **(ORANGE)**

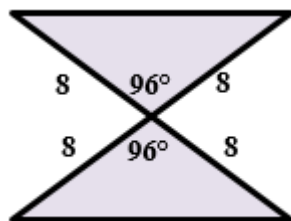


3. If all the three sides of one triangle are congruent (equal in measures) to all the corresponding three sides of another triangle, then the two triangles are said to be \_\_\_\_\_. **(YELLOW)**

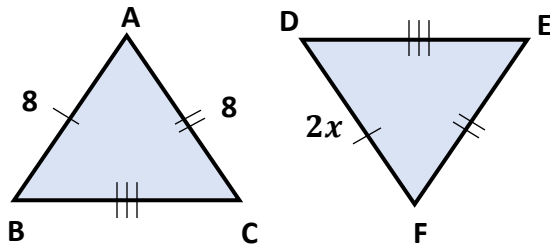
4. The two triangles shown in below figure are congruent by \_\_\_\_\_ postulate. **(ORANGE)**



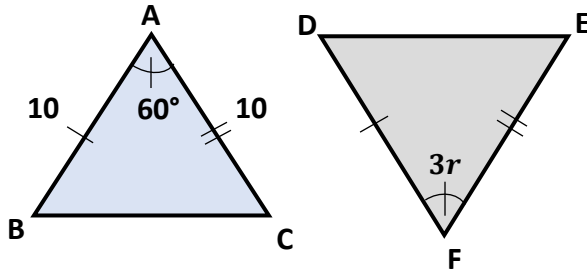
5. The triangles in figure below are congruent by \_\_\_\_\_ postulate. **(ORANGE)**



6. What will be the value of  $x$  if  $\triangle ABC \cong \triangle DEF$ ? **(SKY BLUE)**



7. What will be the value of  $r$  if  $\triangle ABC \cong \triangle DEF$ ? **(GREEN)**



8. The corresponding sides of the congruent shapes are \_\_\_\_\_. **(ORANGE)**

9. An equilateral triangle has \_\_\_\_\_ congruent sides. **(YELLOW)**



**Answers:**

1. Size
2.  $108^\circ$
3. Congruent
4. SSS
5. SAS
6. 4
7.  $20^\circ$
8. Equal
9. 3