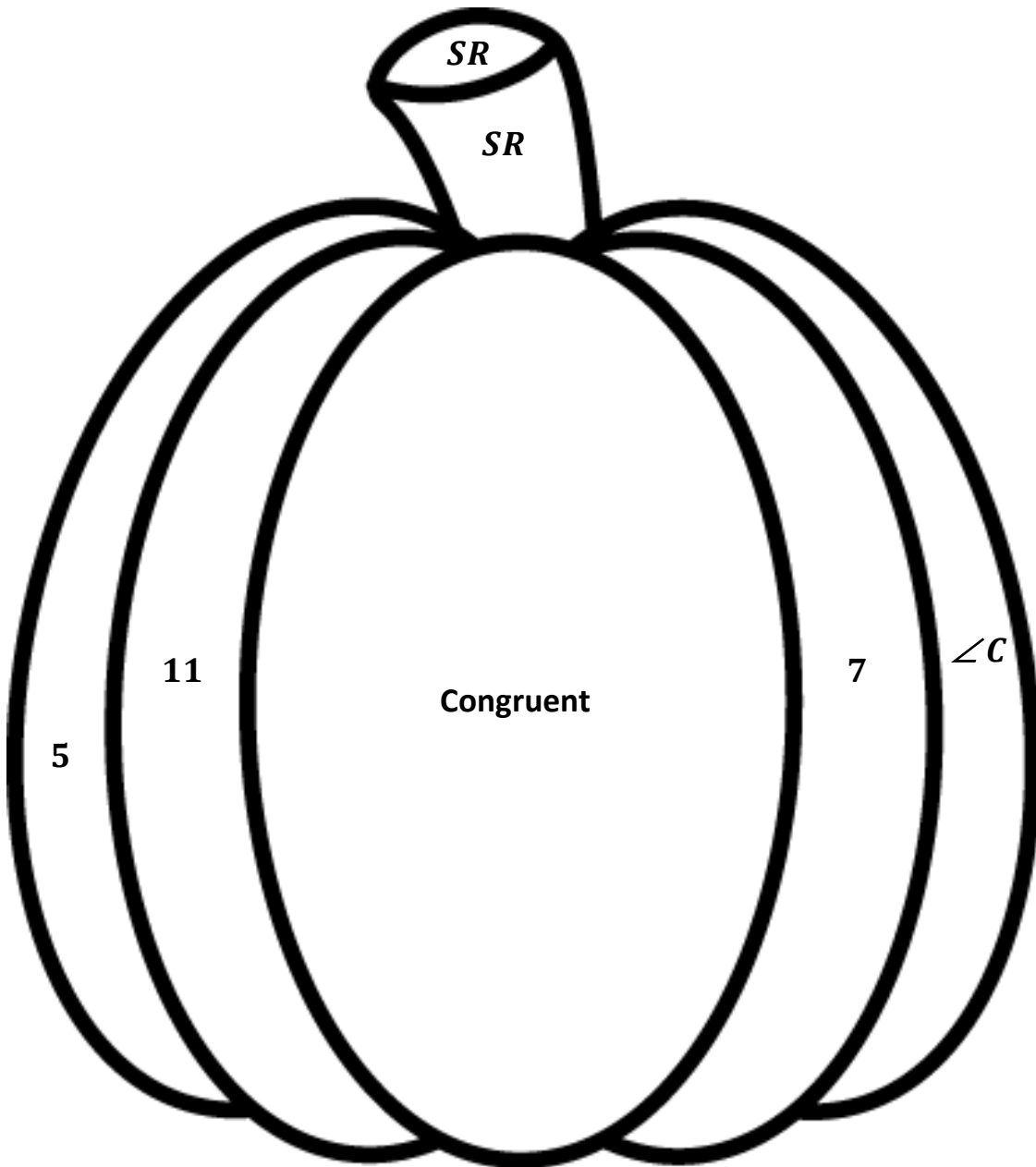


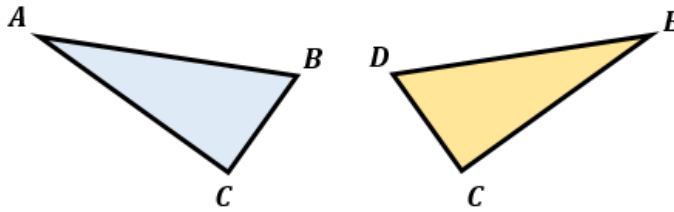
Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

# Thanksgiving Color Match Activity CONGRUENCE IN OVERLAPPING TRIANGLES

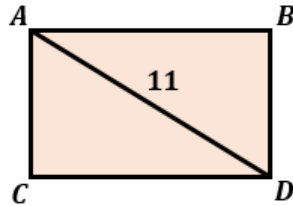


Directions: Answer the questions. Find your answer on the Thanks-Giving Pumpkin. Then color according to your answers.

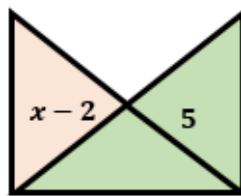
1. The common angle in the triangles below is angle \_\_\_\_\_. (ORANGE)



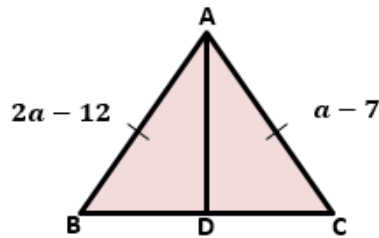
2. What is the length of the common side in the triangles below? (RED)



3. If the two triangles below are congruent, what is the value of  $x$ ? (ORANGE)

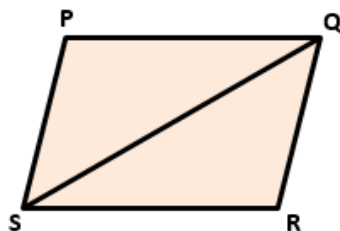


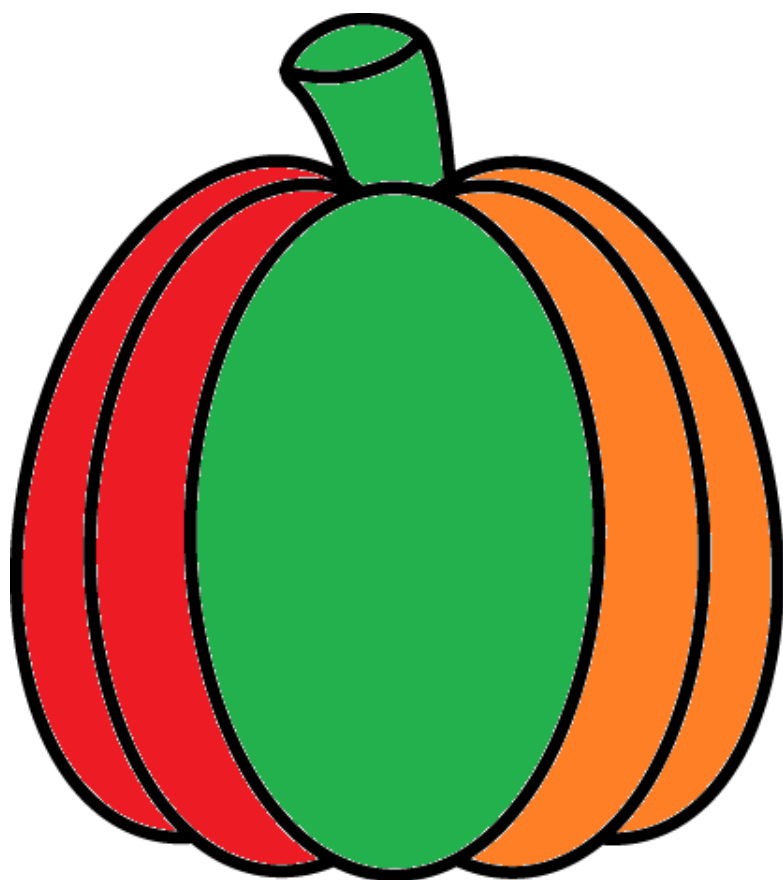
4. What is the value of  $a$  in the figure given below? (RED)



5. If  $\angle RTS \cong \angle PTS$  and  $PT \cong TR$ , then the two triangles below are \_\_\_\_\_. (GREEN)

6. If the two triangles below are congruent, the length of segment  $PQ$  is same as \_\_\_\_\_. (GREEN)





**Answers:**

1.  $\angle C$
2. 11
3. 7
4. 5
5. Congruent
6.  $SR$