Name _____ Date _____

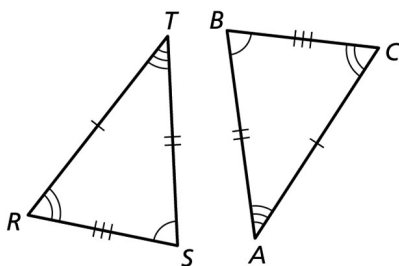## 5.2 Puzzle Time

What Did The Grouchy Baker Make?

Write the letter of each answer in the box containing the exercise number.

Complete the statement.

1. A rigid motion maps each part of a figure to a(n) _____ part of its image.

2. If two angles of one triangle are congruent to two angles of another triangle, then the _____ angles are also congruent.

△TSR and △ABC are congruent. Complete the statement.

3. $\overline{SR} \cong$ ____

4. $\angle C \cong$ ____

5. $\overline{BC} \cong$ ____

Complete the exercise using the diagram above, given that △TSR and △ABC are congruent.

6. $m\angle R = 19°$, $m\angle B = 56°$; find $m\angle T$.

7. $m\angle R = 19°$, $m\angle B = 56°$; find $m\angle S$.

8. $m\angle R = 19°$, $m\angle B = 56°$; find $m\angle C$.

9. $BC = 11$, $TR = 20$; find RS.

Answers
K. $\overline{SR}$
H. 65
N. 17°
A. $\overline{BC}$
D. second
T. 115°
C. $\angle R$
O. congruent
M. 29
C. corresponding
N. 15
Y. 32
E. third
R. 56°
O. 79°
B. 105°
S. 19°
A. 11

4	7	3	6		1	9	5	2	8