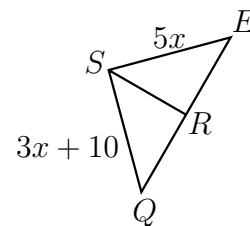


Quiz 3.5: Solving Corresponding Parts of Congruent Triangles

Multiple Choice: Choose the letter that corresponds to the correct answer. Write the answer in your answer sheet.

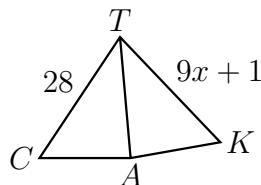
- Which of the following is true about the corresponding parts of congruent triangles?
 - They are unequal.
 - They are congruent.
 - They are supplementary.
 - They are complementary.
- If $\triangle SIT \cong \triangle HOP$, then what angle corresponds to $\angle T$?
 - $\angle H$
 - $\angle I$
 - $\angle P$
 - $\angle S$
- Which of the following statements is **not true** about congruent triangles?
 - They are dissimilar.
 - Their corresponding parts have same measure.
 - They have the same size and shape.
 - They have corresponding congruent parts.
- How many pairs of corresponding congruent parts are there in two congruent triangles?
 - 2
 - 3
 - 4
 - 6

5. If $\triangle ESR \cong \triangle QSR$, then what is the measure of SQ ?



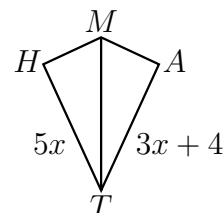
- 10
- 15
- 20
- 25

6. Given $\triangle TAC \cong \triangle TAK$, find x .



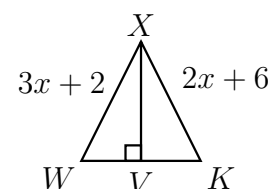
- 1
 - 2
 - 3
 - 4
7. If $\triangle FRY \cong \triangle HOT$, which segment is congruent to \overline{RY} ?
- \overline{HT}
 - \overline{FY}
 - \overline{OT}
 - \overline{RF}

8. What is the value of x if $\triangle MHT \cong \triangle MAT$?



- 1
- 2
- 3
- 4

9. If $\triangle XWK$ is an equilateral triangle and V is the midpoint of \overline{WK} , what is the measure of \overline{WV} ?



- 7
- 9
- 12
- 14

Answer Key

1. Which of the following is true about the corresponding parts of congruent triangles?

Solution:

- A. They are unequal. C. They are supplementary.
B. **They are congruent.** D. They are complementary.

2. If $\triangle SIT \cong \triangle HOP$, then what angle corresponds to $\angle T$?

Solution:

- A. $\angle H$ B. $\angle I$ C. **$\angle P$** D. $\angle S$

3. Which of the following statements is **not true** about congruent triangles?

Solution:

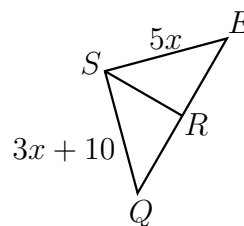
- A. **They are dissimilar.**
B. Their corresponding parts have same measure.
C. They have the same size and shape.
D. They have corresponding congruent parts.

4. How many pairs of corresponding congruent parts are there in two congruent triangles?

Solution:

- A. 2 B. 3 C. 4 D. **6**

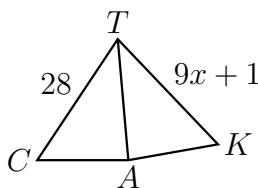
5. If $\triangle ESR \cong \triangle QSR$, then what is the measure of SQ ?



Solution:

- A. 10 B. 15 C. 20 D. **25**

6. Given $\triangle TAC \cong \triangle TAK$, find x .



Solution:

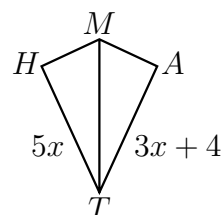
- A. 1 B. 2 C. **3** D. 4

7. If $\triangle FRY \cong \triangle HOT$, which segment is congruent to \overline{RY} ?

Solution:

- A. \overline{HT} B. \overline{FY} C. **\overline{OT}** D. \overline{RF}

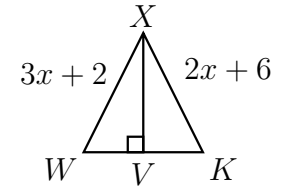
8. What is the value of x if $\triangle MHT \cong \triangle MAT$?



Solution:

- A. 1 B. **2** C. 3 D. 4

9. If $\triangle XWK$ is an equilateral triangle and V is the midpoint of \overline{WK} , what is the measure of \overline{WV} ?



Solution:

A. 7

B. 9

C. 12

D. 14