

CHAPTER
4

Section Quiz
Lessons 4-1 Through 4-3

Choose the best answer.

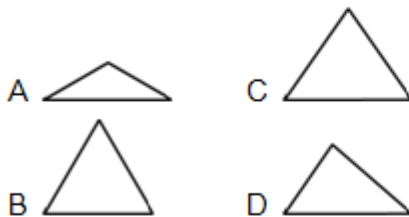
1. The angles of a triangle measure 4° , 86° , and 90° . Which classification of the triangle is correct?

A acute C obtuse
 B equiangular D right

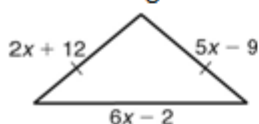
2. Which could be the angle measures of an acute triangle?

F 32° - 56° - 92° H 34° - 56° - 90°
 G 33° - 58° - 91° J 35° - 56° - 89°

3. Which triangle does NOT appear to be acute?

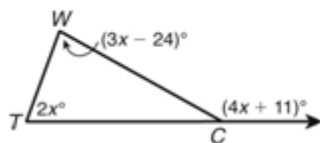


4. What is the length of the longest side of the triangle?



F 8.5 H 19
 G 26 J 40

5. What is $m\angle W$?



A 35° C 70°
 B 40.3° D 81°

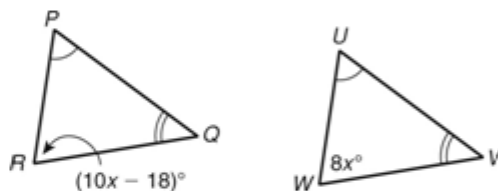
6. Two angles of a triangle measure 22° and 53° . What is the measure of the third angle?

F 15° H 75°
 G 25° J 105°

7. What is the value of x if the acute angles of a right triangle measure $8x^\circ$ and $12x^\circ$?

A 4.5 C 9
 B 5 D 10

8. In the figure, $\triangle PQR \cong \triangle UVW$. What is $m\angle R$?



F 42° H 88°
 G 72° J 92°

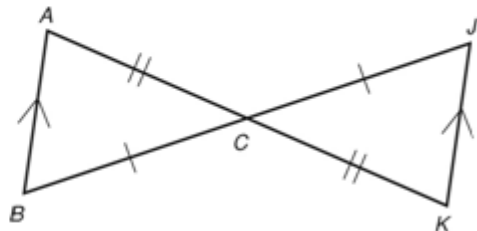
9. If $\triangle KMQ \cong \triangle WJR$, which segment is congruent to \overline{RW} ?

A \overline{KM} C \overline{QK}
 B \overline{MQ} D \overline{JW}

10. Which angle is congruent to $\angle Z$ if $\triangle ZLV \cong \triangle SPN$?

F $\angle V$ H $\angle N$
 G $\angle S$ J $\angle P$

11. If $\triangle ABC \cong \triangle KJC$, which statement is NOT necessarily true?



A $\angle ACB \cong \angle KCJ$ C $\overline{JC} \cong \overline{BC}$
 B $\angle J \cong \angle B$ D $\overline{JK} \cong \overline{BC}$

12. Suppose $\angle S \cong \angle N$, $\angle J \cong \angle I$, $\angle A \cong \angle T$, $\overline{JS} \cong \overline{IN}$, $\overline{JA} \cong \overline{IT}$, and $\overline{AS} \cong \overline{TN}$. Which is true?

F $\triangle JSA \cong \triangle ITN$ H $\triangle JSA \cong \triangle INT$
 G $\triangle JSA \cong \triangle NTI$ J $\triangle JSA \cong \triangle TNI$