

Quarter 2 Test

Form D

Chapters 4–6

1. $\triangle ABC \cong \triangle XYZ$. What side is congruent to AC ?
2. Find the value of x .



3. What is the most precise name for a quadrilateral with four right angles and four congruent sides?
A. parallelogram B. rectangle
C. rhombus D. square
4. An isosceles triangle has two angles measuring 55 and 70. What is the measure of the third angle?
5. Find the values of x and y .



6. What term best identifies $\overline{AX}$?



- F. altitude G. median
H. midpoint J. perpendicular bisector
7. List the angles of $\triangle ABC$ from smallest to largest if $AB = 12$, $BC = 16$, and $AC = 22$.
8. $QRST$ is a rhombus, and $m\angle S = 71$. Find $m\angle 1$, $m\angle 2$, and $m\angle 3$.



For Exercises 9–12, choose the correct letter of the postulate or theorem that can be used to prove each pair of triangles congruent.

- A. AAS B. ASA C. HL
D. SAS E. SSS

9.



10.



11.



12.



13. Find the perimeter of $\triangle RST$.



$$\begin{aligned}RX &= 40 \\YT &= 10 \\XY &= 50\end{aligned}$$

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JL Elias



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