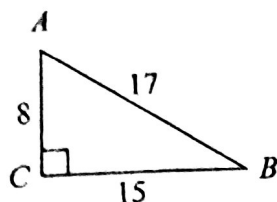
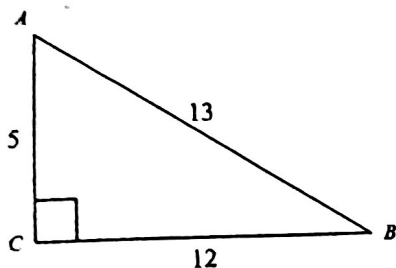


Practice Quiz - Trigonometry

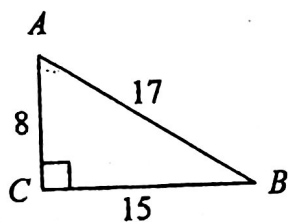
- 1 What is $\cos B$?



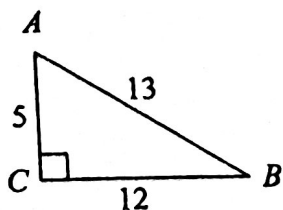
- 2 In the triangle below, what is $\sin B$?



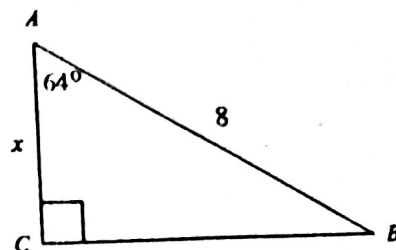
- 3 What is $\tan A$?



- 4 What is $\cos A$?

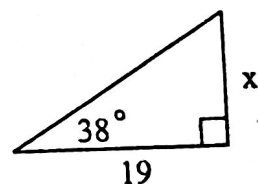


- 5 Solve for x .

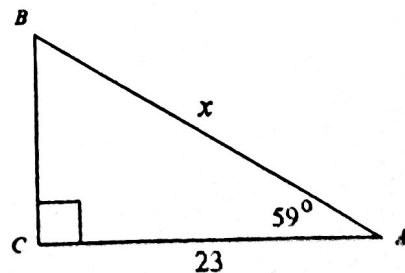


- A $x = \frac{8}{\tan 64^\circ}$
 B $x = 8 \sin 64^\circ$
 C $x = 8 \cos 64^\circ$
 D $x = \frac{8}{\cos 64^\circ}$

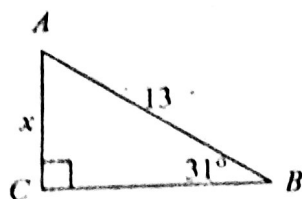
- 6 Write an equation that could be used to solve the variable x .



- 7 Write an equation that could be used to solve the variable x .

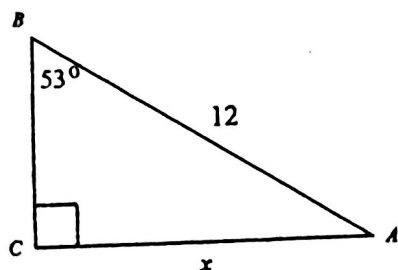


- 8 Which one of the following is a correct equation?



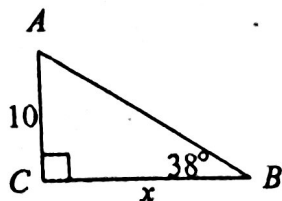
- A $\cos 31^\circ = \frac{x}{13}$
 B $\sin 31^\circ = \frac{13}{x}$
 C $\cos 31^\circ = \frac{13}{x}$
 D $\sin 31^\circ = \frac{x}{13}$

- 9 Write an equation that could be used to solve for the variable x .



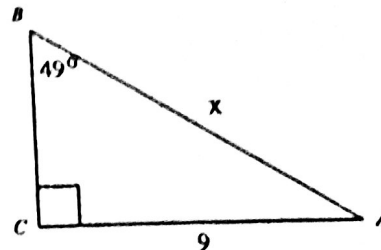
- 10 Write an equation that could be used to solve for the variable x .

Then solve your equation.

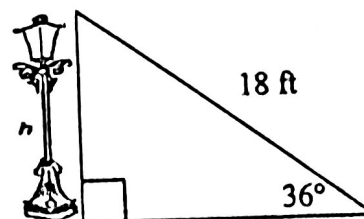


- 11 Write an equation that could be used to solve for the variable x .

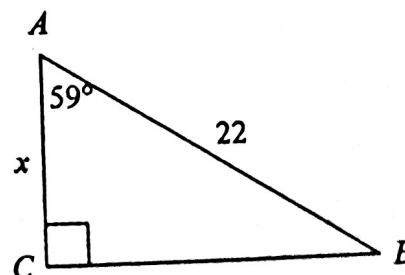
Then solve your equation.



- 12 Approximately how many feet tall is the streetlight?



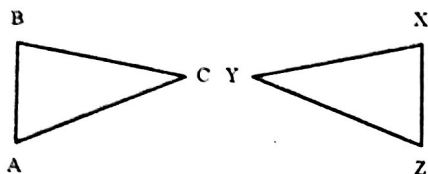
- 13 Solve for x . Round to the nearest tenth.



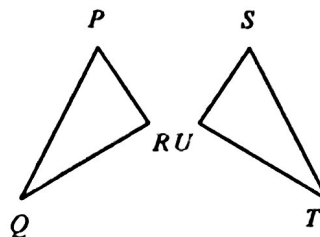
Name: _____ Assn#: _____ Date: _____
Version A

Practice Quiz - Congruent Triangles

1. Mark the following congruent sides and angles:
 $\angle C \cong \angle Y$, $\overline{CA} \cong \overline{YZ}$, and $\angle B \cong \angle X$



4. In the figure below, $\angle Q \cong \angle T$, $\overline{RQ} \cong \overline{UT}$, and $\angle R \cong \angle U$.



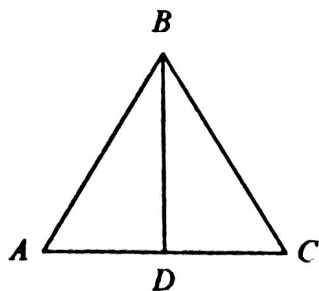
Which congruence postulate or theorem proves $\triangle PQR \cong \triangle STU$?

2. If $\triangle ABC \cong \triangle XYZ$ which statement is false?

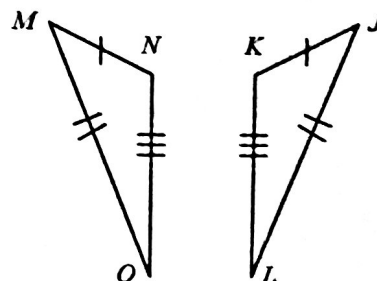
- a. $\overline{CB} \cong \overline{ZY}$
- b. $\angle B \cong \angle Y$
- c. $\overline{AB} \cong \overline{XY}$
- d. $\overline{AC} \cong \overline{YZ}$

3. If $\triangle ABD$ and $\triangle CBD$ are right triangles and $\overline{AD} \cong \overline{CD}$.

Which theorem or postulate proves $\triangle ABD \cong \triangle CBD$?



5. Choose the correct congruency statement given the triangles below.



- a. $\triangle KLJ \cong \triangle ONM$
- b. $\triangle LJK \cong \triangle OMN$
- c. $\triangle KJL \cong \triangle OMN$
- d. $\triangle JKL \cong \triangle ONM$

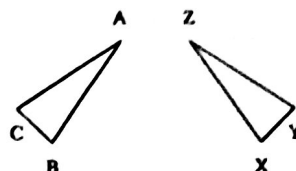
- a. SAS
- b. ASA
- c. SSS
- d. HL

6.7 Parts of Congruent Triangles

1. If $\triangle STU \cong \triangle VWX$ which statement is true?

- a. $ST \cong VW$
- b. $TU \cong VX$
- c. $UT \cong XV$
- d. $SU \cong WX$

5. If $\angle A \cong \angle Z$, $\angle B \cong \angle X$, and $\overline{AB} \cong \overline{ZX}$ which congruence property proves that $\triangle ABC \cong \triangle ZXY$?



2. If $\triangle FGH \cong \triangle LMN$ which statement is true?

- a. $FH \cong MN$
- b. $HG \cong NL$
- c. $FG \cong LM$
- d. $GH \cong LN$

Which congruence property proves that $\triangle ABC \cong \triangle ZXY$?

- a. AAS
- b. SAS
- c. SSS
- d. ASA

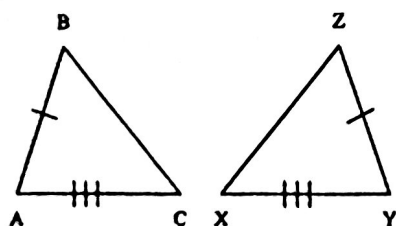
3. If $\triangle IJK \cong \triangle PQR$ which statement is true?

- a. $JK \cong PQ$
- b. $IK \cong RP$
- c. $\angle K \cong \angle R$
- d. $\angle J \cong \angle P$

6. Given $\angle B \cong \angle X$, $\overline{BC} \cong \overline{XY}$, and $\overline{AB} \cong \overline{ZX}$.



4. Given $\angle A \cong \angle Y$



Why are the triangles congruent?

Which of the following is true?

- a. $\triangle CAB \cong \triangle ZXY$
- b. $\triangle CAB \cong \triangle XYZ$
- c. $\triangle CAB \cong \triangle YZX$
- d. $\triangle CAB \cong \triangle XZY$

Which congruency property proves that $\triangle ABC \cong \triangle ZXY$?

- a. AAS
- b. ASA
- c. SAS
- d. SSS