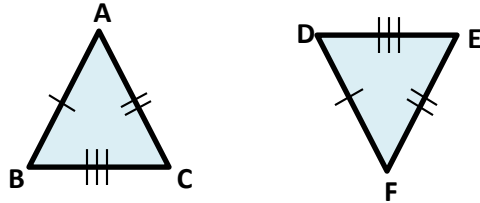


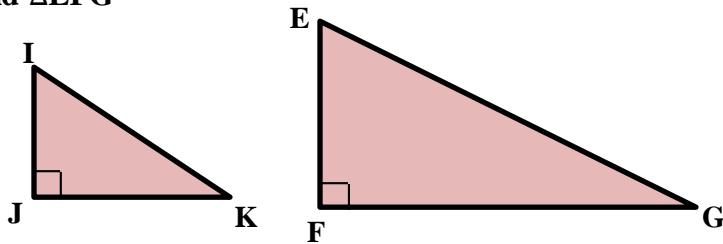
Triangle Congruence Using SSS and SAS Assignment

Identify whether the given pair of triangles are congruent or not. Also state the postulate by which they are congruent.

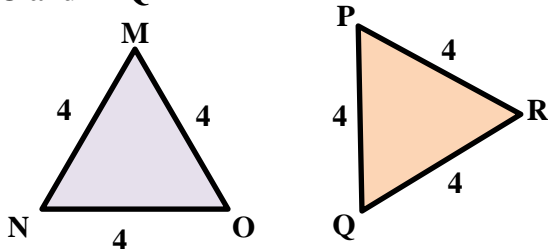
1. $\triangle ABC$ and $\triangle DEF$



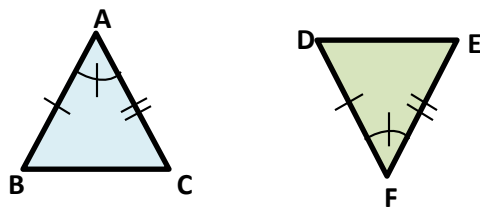
2. $\triangle IJK$ and $\triangle EFG$



3. $\triangle MNO$ and $\triangle PQR$

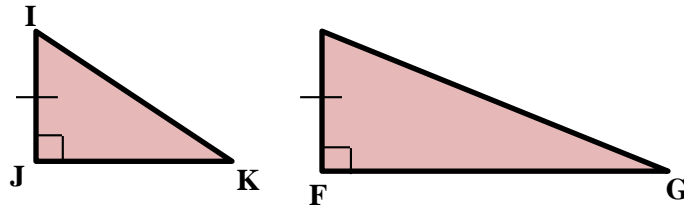


4. $\triangle ABC$ and $\triangle DEF$

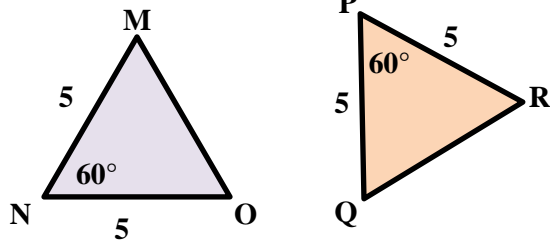


Triangle Congruence Using SSS and SAS Assignment

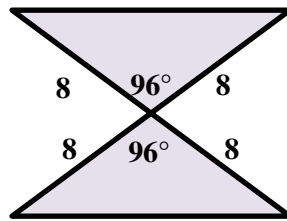
5. $\triangle IJK$ and $\triangle EFG$



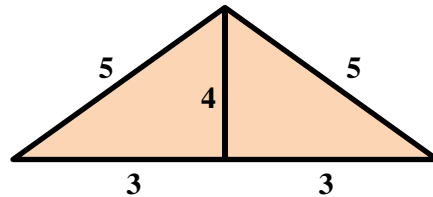
6. $\triangle MNO$ and $\triangle PQR$



7. Which postulate can be used to show that the two triangles given below are congruent?

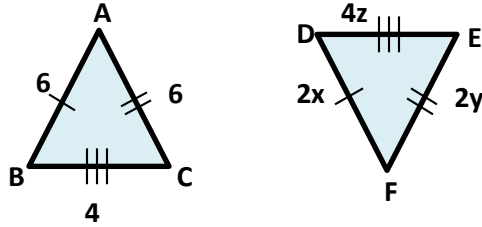


8. Are these two triangles congruent? If yes, state the postulate by which they are congruent.



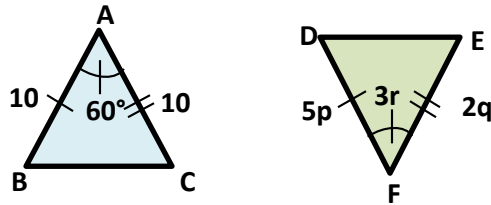
Triangle Congruence Using SSS and SAS Assignment

9. What will be the value of x, y and z if $\triangle ABC \cong \triangle DEF$?



$x = \underline{\hspace{2cm}}$; $y = \underline{\hspace{2cm}}$; $z = \underline{\hspace{2cm}}$

10. What will be the value of p, q and r if $\triangle ABC \cong \triangle DEF$?

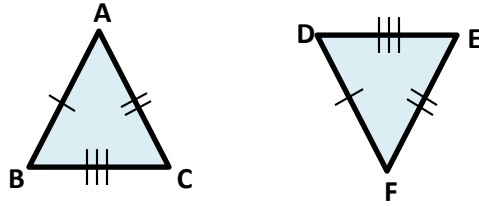


$p = \underline{\hspace{2cm}}$; $q = \underline{\hspace{2cm}}$; $r = \underline{\hspace{2cm}}$

Triangle Congruence Using SSS and SAS Assignment

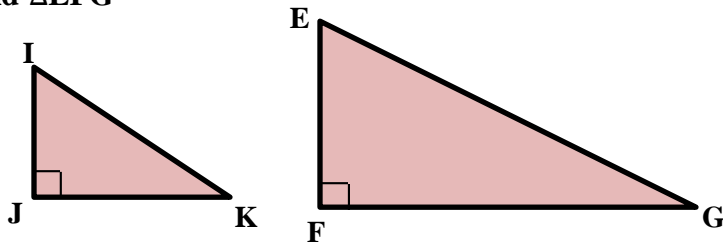
Identify whether the given pair of triangles are congruent or not. Also state the postulate by which they are congruent.

1. $\triangle ABC$ and $\triangle DEF$



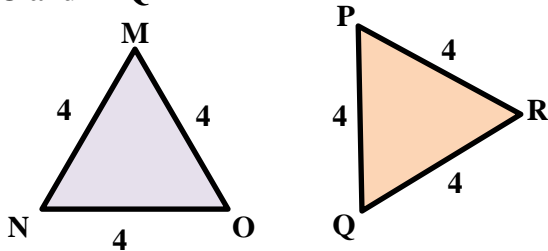
_____ **Congruent, SSS postulate** _____

2. $\triangle IJK$ and $\triangle EFG$



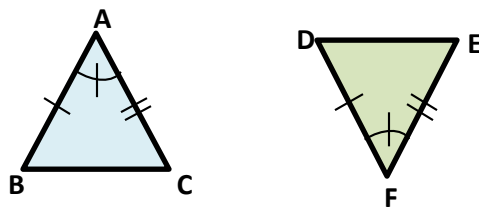
_____ **Not Congruent** _____

3. $\triangle MNO$ and $\triangle PQR$



_____ **Congruent, SSS postulate** _____

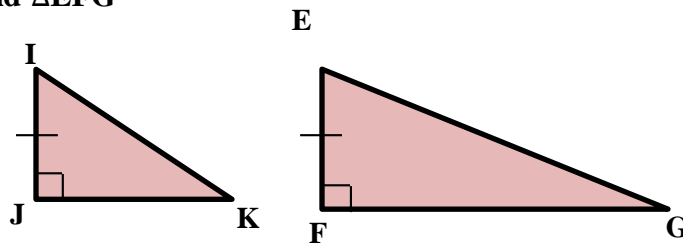
4. $\triangle ABC$ and $\triangle DEF$



_____ **Congruent, SAS postulate** _____

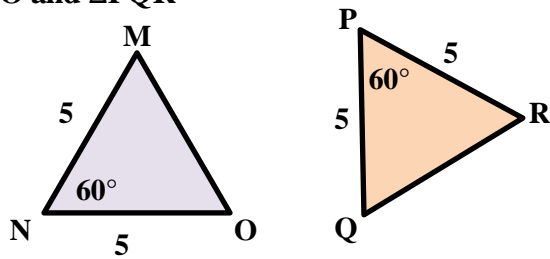
Triangle Congruence Using SSS and SAS Assignment

5. $\triangle IJK$ and $\triangle EFG$



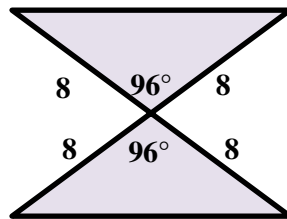
_____ **Not Congruent** _____

6. $\triangle MNO$ and $\triangle PQR$



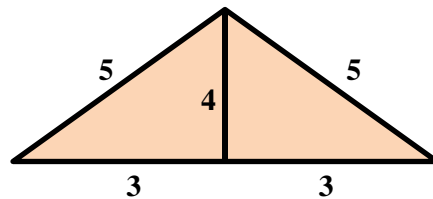
_____ **Congruent, SAS postulate** _____

7. Which postulate can be used to show that the two triangles given below are congruent?



_____ **SAS postulate** _____

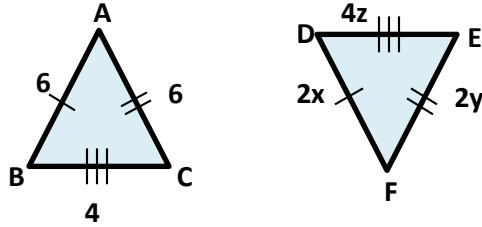
8. Are these two triangles congruent? If yes, state the postulate by which they are congruent.



_____ **SAS postulate** _____

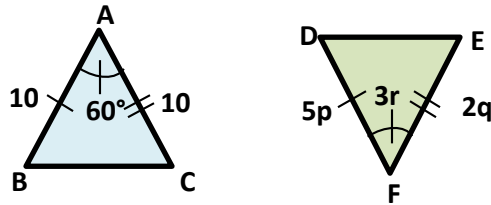
Triangle Congruence Using SSS and SAS Assignment

9. What will be the value of x, y and z if $\triangle ABC \cong \triangle DEF$?



$x = \underline{3}$; $y = \underline{3}$; $z = \underline{1}$

10. What will be the value of p, q and r if $\triangle ABC \cong \triangle DEF$?



$p = \underline{2}$; $q = \underline{5}$; $r = \underline{20^\circ}$