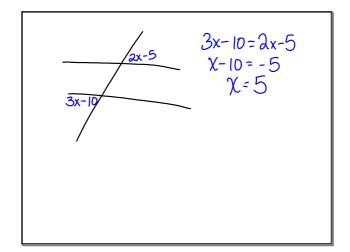
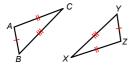
Congruent Triangles (part 4)



title Nov 3-8:27 AM

Once you are able to prove two triangles are congruent, you are then able to show that all pairs of corresponding parts of congruent triangles are congruent (known as <u>CPCTC</u>).



222

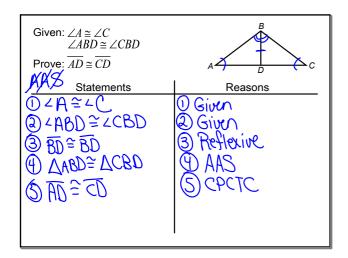
When you are trying to prove two triangles are congruent and you are given parallel lines/segments, look for corresponding angles and alternate interior angles because they are congruent.

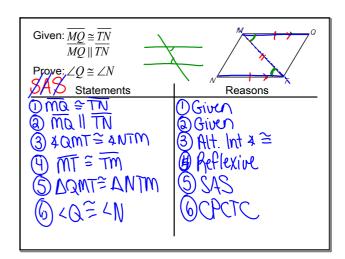
Corresponding Angles Postulate

If two parallel lines are cut by a transversal, then the pairs of corresponding angles are congruent.

Alternate Interior Angles Theorem

If two parallel lines are cut by a transversal, then the pairs of alternate interior angles are congruent.





example example

Conclusion

1. What does CPCTC stand for?

2. What do you have to do first before you can use CPCTC?

 Assignment
Congruent
Triangles Wkst #4

Nov 2-2:03 PM Nov 2-2:04 PM