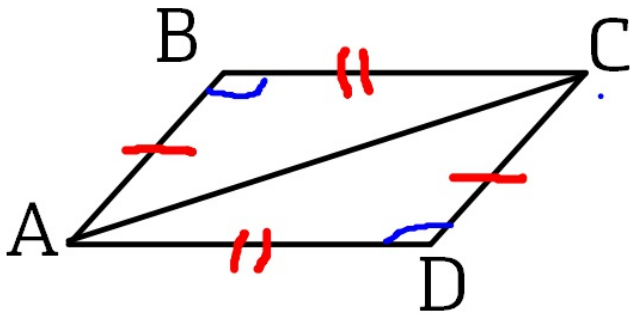
Good morning, warm up in notes:

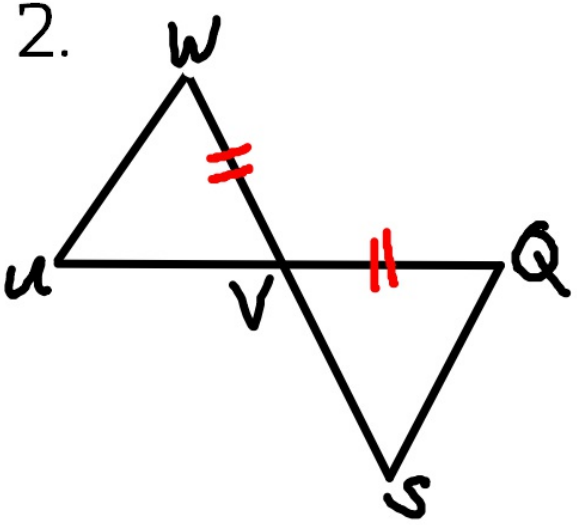
Draw the figures, then complete each statement (order matters)

1.



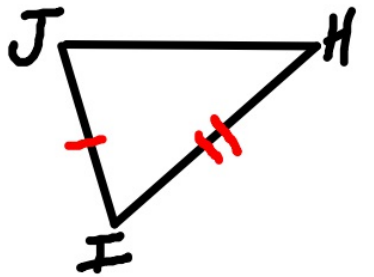
$\triangle BCA \cong \triangle DAC$

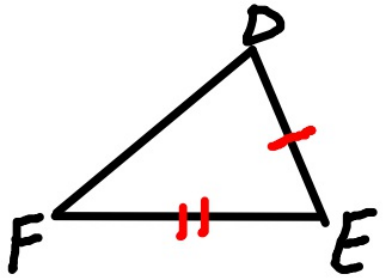
2.



$\triangle VWU \cong \triangle VQS$

3.





$\triangle JIH \cong \triangle DEF$

Reminders

- next assessment: Monday 11/13
- Tutoring/retakes tomorrow 4-5p
- retakes in DS Mon/Tues/Fri this week
- Substitute on Thursday, computer lab practice EOC

Assessments are being returned

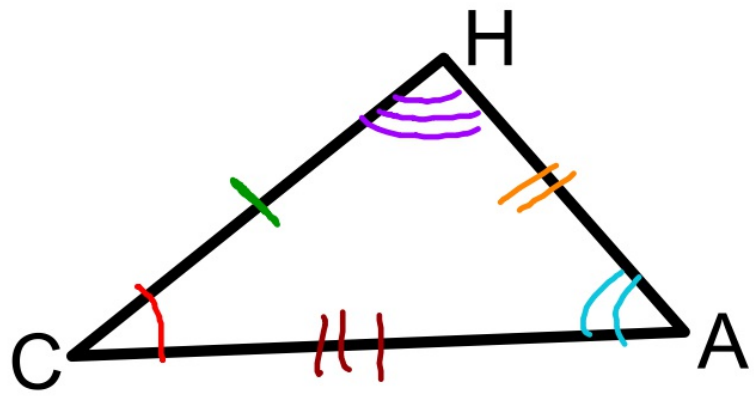
Overall, grades were good!

Retake anything less than a 4

(only need to retake section(s) needed)

Triangle Congruence

NOTES



$\angle C \cong \angle T$

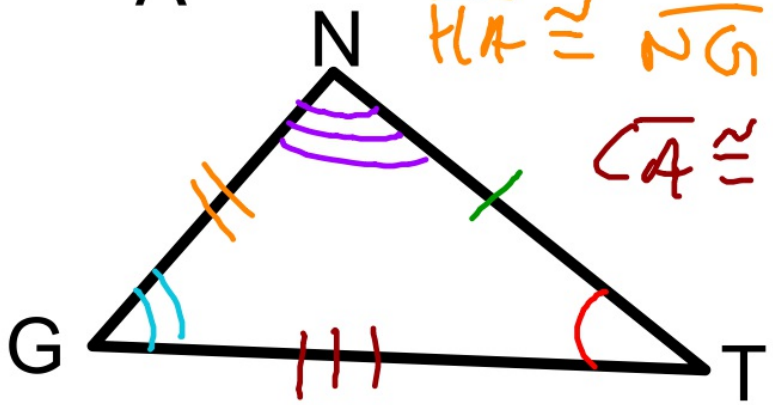
$\angle A \cong \angle G$

$\angle H \cong \angle N$

$\overline{CH} \cong \overline{TN}$

$\overline{HA} \cong \overline{NG}$

$\overline{CA} \cong \overline{TG}$



Congruence Statement:

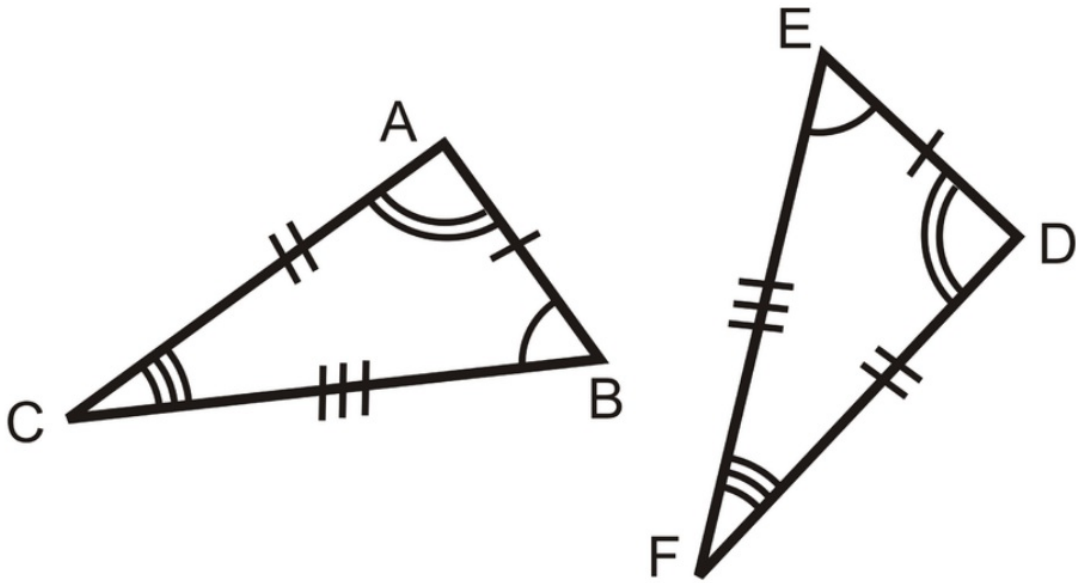
$\triangle CHA \cong \triangle TNG$

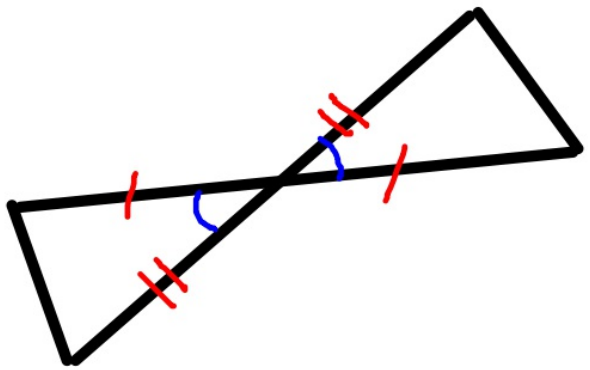
Central question:
How can we apply our knowledge of triangles and our logical deduction skills to prove triangles congruent?

Why study triangle congruence?

- develop ability to construct sound arguments using proof, logic, and reasoning
- noticing patterns in triangles to generalize observations for other shapes

3 pairs of congruent sides
3 pairs of congruent angles





4 shortcuts exist
to prove triangles congruent
with only limited information

Projects

- everyone must turn in a rubric with their 15 terms listed

leave this blank

Reflecting on your work

On a piece of loose leaf paper to turn in. *Number your answers, but no need to write questions down. Place in basket with word list when finished.*

HW:
p. 146: #6-11

1. Name
2. List the major steps of the project
3. What is the most important thing you learned in this project?
4. What do you wish you had spent more time on or done differently?
5. What part of the project did you do your best work on?
6. What was the most enjoyable part of this project?
7. What was the least enjoyable part of this project?
8. How did you do your project different than others?
9. What grade should I give your project (be honest)?
10. How can Mr Mohyuddin improve this project for next year?