Name _____ Date _____ Pd ____

5.3, 5.5, 5.6 All Mixed Up CYU

☑ *Use when you get it right all by yourself*

S Use when you did it all by yourself, but made a silly mistake

*H Use when you could do it alone with a little help from teacher or peer*

*G Use when you completed the problem in a group*

X Use when a question was attempted but wrong (get help)

N Use when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Side-Angle-Side	1 - 15	16 - 19	
Side-Side-Side	1 – 15	16 - 19	
Angle-Side-Angle	1 - 15	16 - 19	
Angle-Angle-Side	1 – 15	16 - 19	
Hypotenuse-Leg	1 – 15	16 - 19	
Arc Marks & Tic Marks	1 - 15	16 - 19	
Congruence Statement		16 - 19	
CPCTC		16 - 19	
Vocabulary			20

Determine which postulate can be used to prove the triangles are congruent. Mark anything that needs to be known to prove congruence. If it is not possible to prove that they are congruent, write <u>not possible.</u>
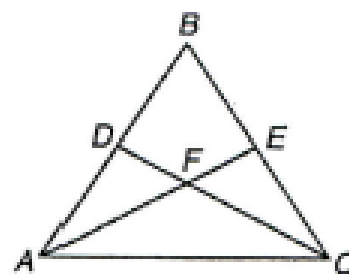
13.   14.   15.
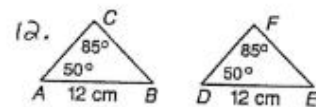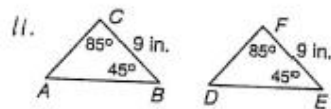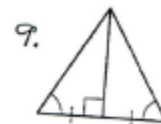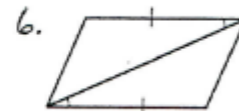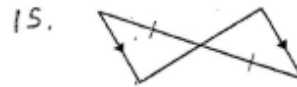
16 – 17: Use the figure to the right. Redraw the figure separately, if needed. Mark and label your figure to help visualize.

16. Determine which triangles in the figure are congruent if $\angle BAE \cong \angle BCD$
And $\overline{BD} \cong \overline{BE}$.

- A. $\triangle ABE \cong \triangle CBD$
- B. $\triangle ADF \cong \triangle CEF$
- C. $\triangle ADC \cong \triangle CEA$
- D. $\triangle ABC \cong \triangle AFC$

17. Determine which triangles are congruent under the given conditions: $\angle ACE \cong \angle CAD, \overline{AD} \cong \overline{EC}$.

- A. $\triangle BAE \cong \triangle BCD$
- B. $\triangle ACD \cong \triangle CAE$
- C. $\triangle DFA \cong \triangle EFC$
- D. All of the above.

18 – 19: Use the figure to the right. Redraw the figure separately, if needed. Mark and label your figure to help visualize.

18. Name one additional pair of corresponding parts that need to be congruent in order to prove that $\triangle FIG \cong \triangle TOM$ by ASA.

- A. $\overline{IG} \cong \overline{OM}$
- B. $\overline{FG} \cong \overline{TM}$
- C. $\angle F \cong \angle T$
- D. $\angle F \cong \angle M$
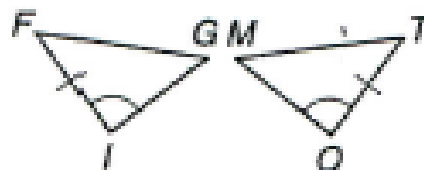
19. Name one additional pair of corresponding parts that need to be congruent in order to prove that $\triangle FIG \cong \triangle TOM$ by SAS.

- A. $\overline{FG} \cong \overline{MT}$
- B. $\angle F \cong \angle T$
- C. $\overline{IG} \cong \overline{OM}$
- D. $\overline{FI} \cong \overline{OT}$

20. What properties/vocabulary did you use in numbers 16 – 19 to help prove triangles congruent for information that was not provided?

CYU Reflection: *How far can you go: basic, intermediate, or advanced?*
Rate your mastery level!
How confident are you with the skills this CYU covered? Circle the

| 1   2 | 3   4   5 | 6   7 | 8 |
| Basic | Intermediate | Advanced | Solved ALL! |