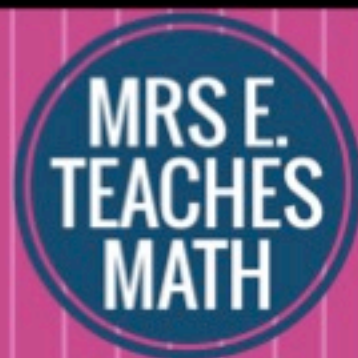


Task Cards



Triangle Congruence

Task Card Instructions

Preparation:

- Print the cards and cut apart.
- Copy enough recording sheets for each student.

Ideas:

- Stations – Place 2-3 cards at each station and have students move in partners or groups from station to station.
- Scoot Game – Place one numbered card on each student desk. It's helpful if the desks are moved into a circle. Have students start at their own desk, solving the problem on the card and recording their answer on the answer sheet. Students move to the next desk when the teacher says, "Scoot!". When everyone has gone through all of the problems, go over the solutions as a class.
- Marker Board Review – Put task cards under a projector and have students work the problem on their marker board.
- Daily Warm-Ups – 1-2 task cards could be used per day as a warm-up.
- Speed Mathing – Arrange desks in two rows (like speed dating). Each student receives a card, works the problems on the card, checks their answer. Then, the students trade cards with their partner sitting across from them and work the problem on the new card. They are now sitting across the "expert" for that problem. After a few minutes, the students receive their original cards again and one row moves one seat down. This process continues until all of the cards are completed.

Helpful Hints:

- Print cards on cardstock for durability.
- Laminate each deck of cards. Once cards are laminated, students can write on them with dry erase markers.
- Print the answer key on a bright color so you can see if a student is using it from across the room. That way, students can check their own work and you are free to help others.

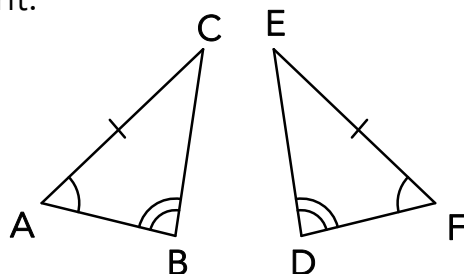
More Ideas On My Blog:

[7 Ideas for Using Task Cards in the Classroom](#)

[5 More Ideas for Using Task Cards in the Classroom](#)

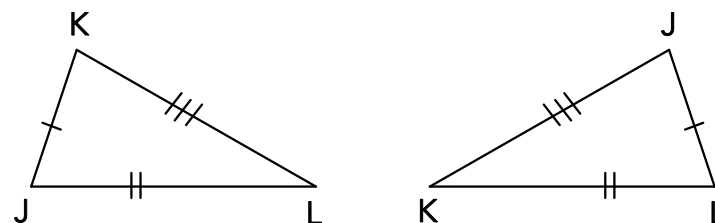
1

Decide if the triangles are congruent. If so, write the congruency statement and list the theorem or postulate that makes them congruent.



2

Decide if the triangles are congruent. If so, write the congruency statement and list the theorem or postulate that makes them congruent.

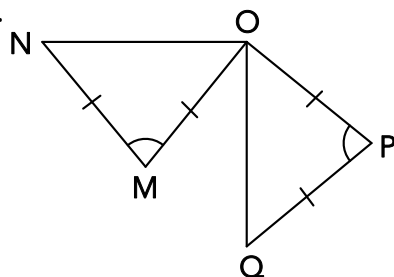


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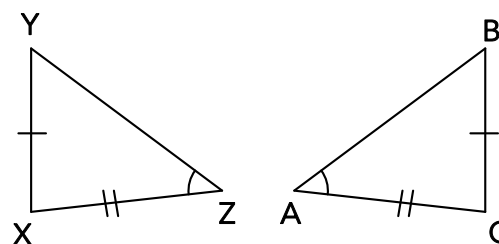
3

Decide if the triangles are congruent. If so, write the congruency statement and list the theorem or postulate that makes them congruent.



4

Decide if the triangles are congruent. If so, write the congruency statement and list the theorem or postulate that makes them congruent.

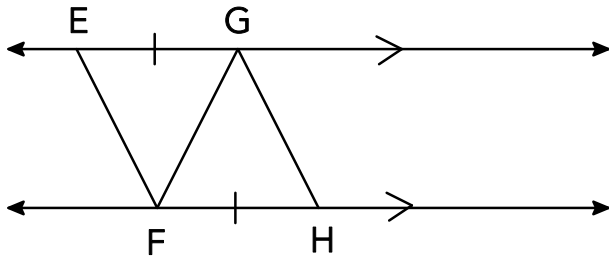


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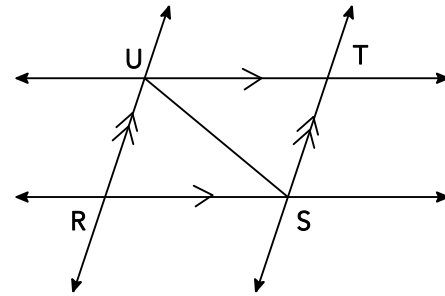
Decide if the triangles are congruent. If so, write the congruency statement and list the postulate that makes them congruent.



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6

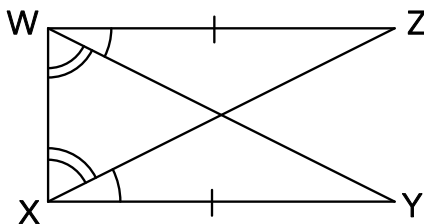
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7

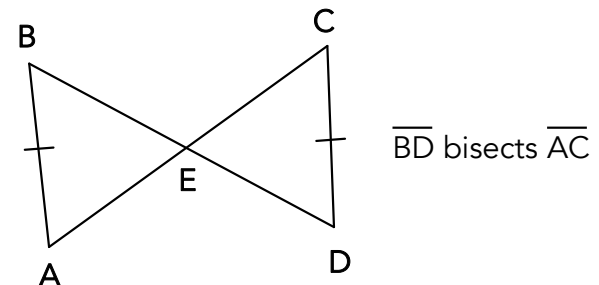
Decide if the triangles are congruent. If so, write the congruency statement and list the postulate that makes them congruent.



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8

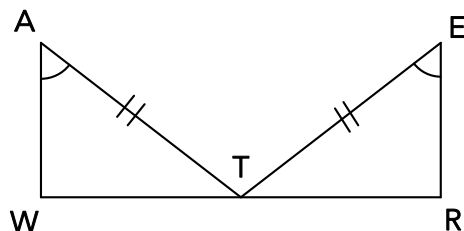
Decide if the triangles are congruent. If so, write the congruency statement and list the postulate that makes them congruent.



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9

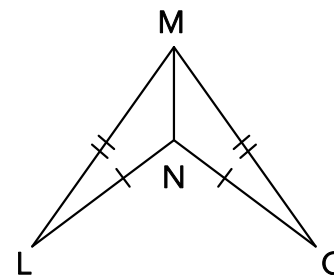
Decide if the triangles are congruent. If so, write the congruency statement and list the postulate that makes them congruent.



T is the midpoint of \overline{WR}

10

Decide if the triangles are congruent. If so, write the congruency statement and list the postulate that makes them congruent.

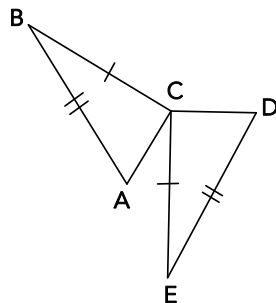


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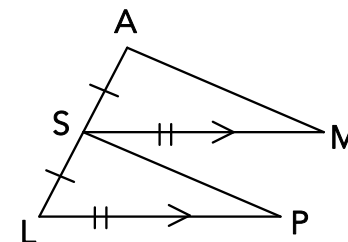
Decide if the triangles are congruent. If so, write the congruency statement and list the postulate that makes them congruent.



$\overline{BC} \perp \overline{CA}$
 $\overline{CE} \perp \overline{CD}$

12

Decide if the triangles are congruent. If so, write the congruency statement and list the postulate that makes them congruent.

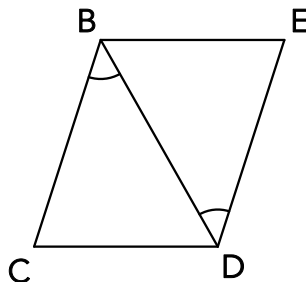


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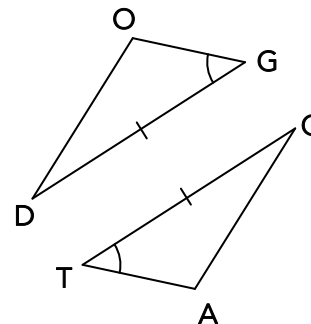
13

What additional information is needed to prove that the triangles are congruent by AAS?



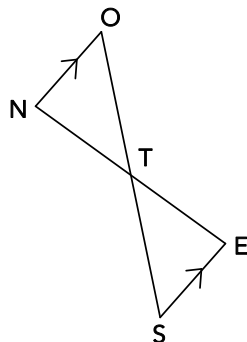
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What additional information is needed to prove that the triangles are congruent by AAS?



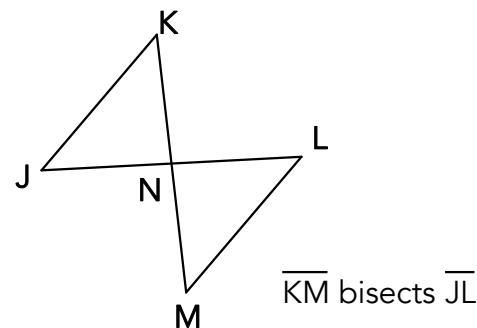
15

What additional information is needed to prove that the triangles are congruent by ASA?



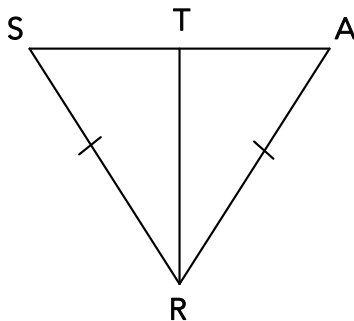
16

What additional information is needed to prove that the triangles are congruent by SAS?



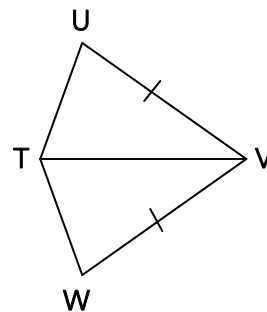
17

What additional information is needed to prove that the triangles are congruent by HL?



18

What additional information is needed to prove that the triangles are congruent by SSS?

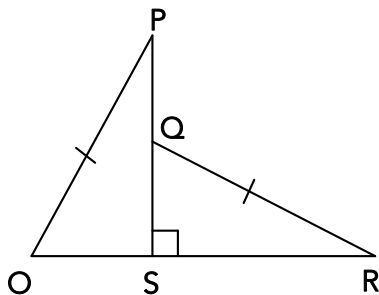


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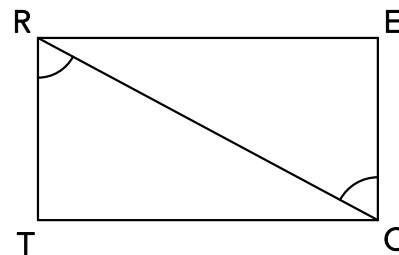
19

What additional information is needed to prove that the triangles are congruent by HL?



20

What additional information is needed to prove that the triangles are congruent by ASA?

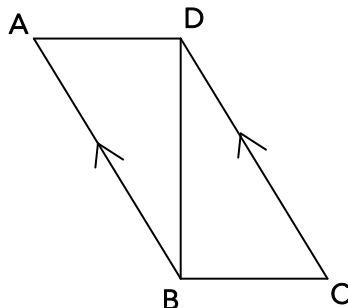


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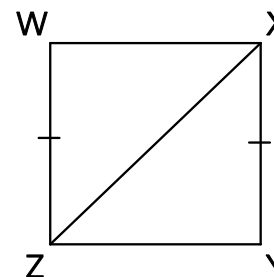
21

What additional information is needed to prove that the triangles are congruent by ASA?



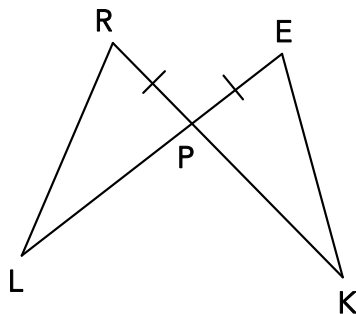
22

What additional information is needed to prove that the triangles are congruent by SSS?



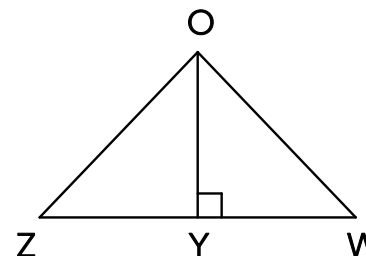
23

What additional information is needed to prove that the triangles are congruent by SAS?



24

What additional information is needed to prove that the triangles are congruent by AAS?



Triangle Congruence Task Cards Answer Sheet

Name _____

Date _____

If the triangles are congruent, fill in the blanks. If the triangles are not congruent, write "not congruent".

1. \triangle _____ \cong \triangle _____ by _____

2. \triangle _____ \cong \triangle _____ by _____

3. \triangle _____ \cong \triangle _____ by _____

4. \triangle _____ \cong \triangle _____ by _____

5. \triangle _____ \cong \triangle _____ by _____

6. \triangle _____ \cong \triangle _____ by _____

7. \triangle _____ \cong \triangle _____ by _____

8. \triangle _____ \cong \triangle _____ by _____

9. \triangle _____ \cong \triangle _____ by _____

10. \triangle _____ \cong \triangle _____ by _____

11. \triangle _____ \cong \triangle _____ by _____

12. \triangle _____ \cong \triangle _____ by _____

One additional piece of information is missing to prove the triangles are congruent. Fill it in the blank below.

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

Triangle Congruence Task Cards Answer Sheet

ANSWER KEY

If the triangles are congruent, fill in the blanks. If it cannot be determined if the triangles are congruent, write "not enough information".

1. $\triangle ABC \cong \triangle FDE$ by AAS (SAA)
2. $\triangle JKL \cong \triangle LJK$ by SSS
3. $\triangle NMO \cong \triangle OPQ$ by SAS
4. not enough information
5. $\triangle EGF \cong \triangle HFG$ by SAS
6. $\triangle RUS \cong \triangle TSU$ by ASA
7. $\triangle WXY \cong \triangle XWZ$ by AAS (SAA)
8. not enough information
9. not enough information
10. $\triangle LMN \cong \triangle OMN$ by SSS
11. $\triangle ABC \cong \triangle DEC$ by HL
12. $\triangle ASM \cong \triangle SLP$ by SAS

One additional piece of information is missing to prove the triangles are congruent. Fill it in the blank below.

13. $\angle C \cong \angle E$
14. $\angle O \cong \angle A$
15. $\overline{OT} \cong \overline{TS}$, $\overline{NO} \cong \overline{SE}$, OR $\overline{NT} \cong \overline{TE}$
16. $\overline{KN} \cong \overline{NM}$
17. $\angle STR$ or $\angle ATR$ is a right angle OR
 $\overline{SA} \perp \overline{TR}$
18. $\overline{UT} \cong \overline{TW}$
19. $\overline{OS} \cong \overline{QS}$
20. $\angle RCT \cong \angle CRE$
21. $\angle ADB \cong \angle CBD$
22. $\overline{WX} \cong \overline{ZY}$
23. $\overline{PL} \cong \overline{PK}$
24. $\angle Z \cong \angle W$

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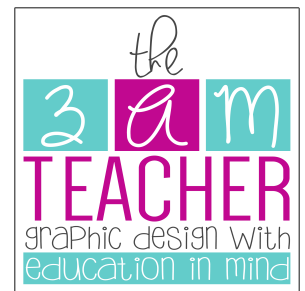
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In my task card products, I often use clipart by the following artists:



Jennie
Kottmeier



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