Triangle Congruence Practice - SSS and SAS
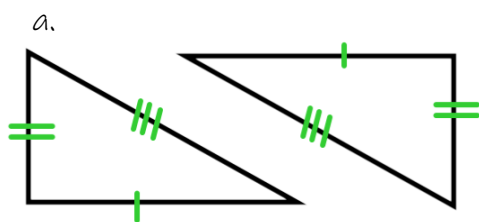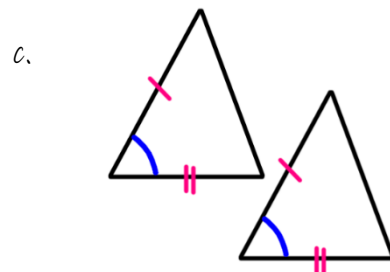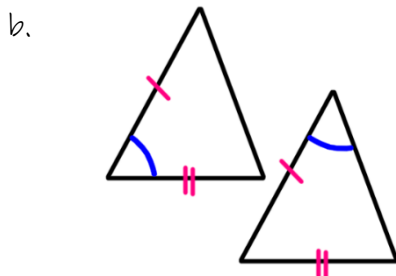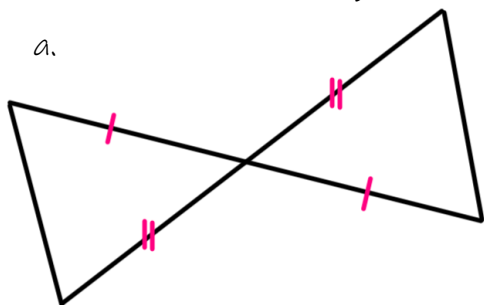
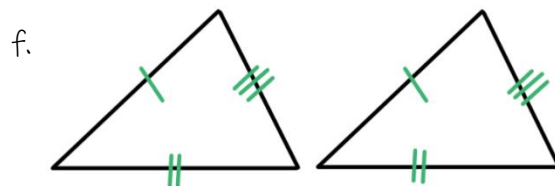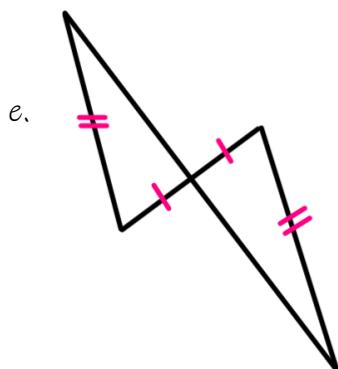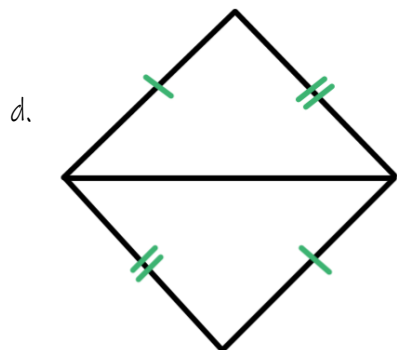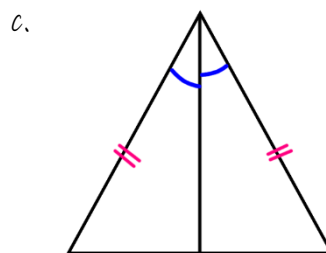1. Which of the following examples does **NOT** show **SSS** congruence?

a.

b.

c.
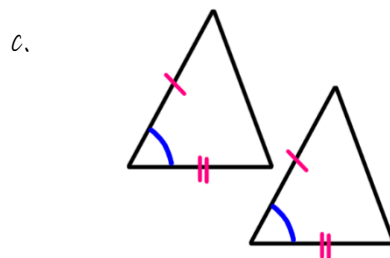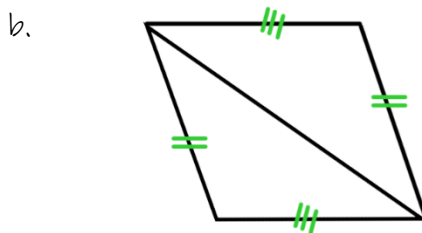
2. Which of the following does **NOT** show SAS congruence?
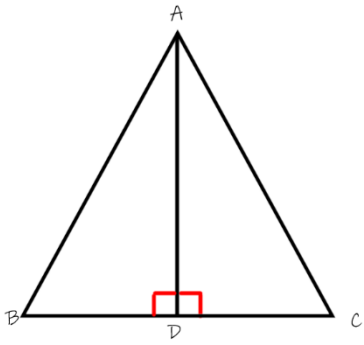
a.

b.

c.

3. Determine if you can use SSS or SAS to prove the pairs of triangles below congruent. If it does not fit one of those postulates, write "neither."
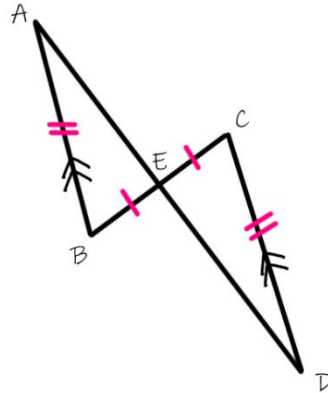
a.

b.

c.

_____

_____

_____

d.

e.

f.

_____

_____

_____
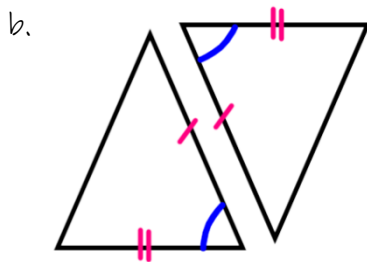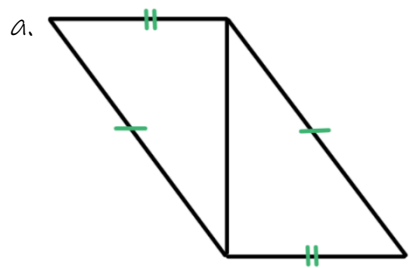
4. Given the information, determine which postulate you can use to prove the triangles congruent.

a. Given: D is the midpoint of BC.

ΔBAD ≅Δ_____ by _____
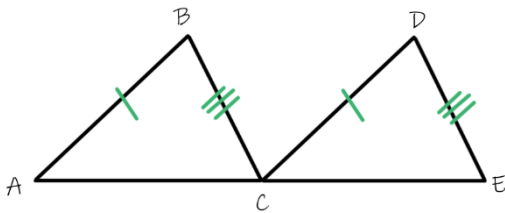
b. Given: AB || CD.

ΔABE ≅Δ_____ by _____

c. Given: C is the midpoint of AE.

ΔABC ≅Δ_____ by _____

D. Given $\overline{AD}$ is bisecting ∠BAC.

ΔBAD ≅Δ_____ by _____
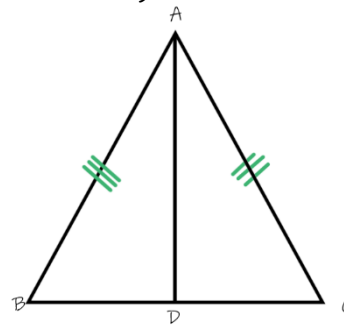
Challenge Section, TEST PREP:

5. What **additional** information is needed to prove....

a. ΔABC ≅ΔCDE SSS?

If _____ is congruent to _____ then that would meet the criteria for SSS.

b. ΔABC ≅ΔCDE SAS?

If _____ is congruent to _____ then that would meet the criteria for SAS.