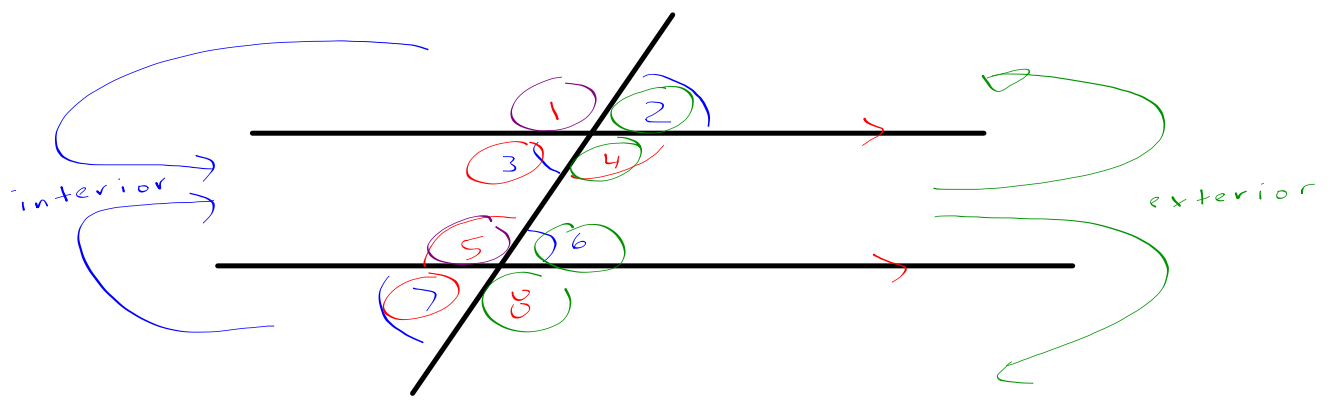


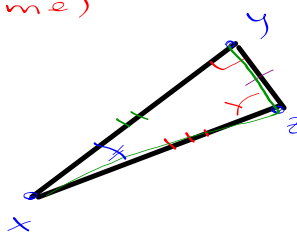
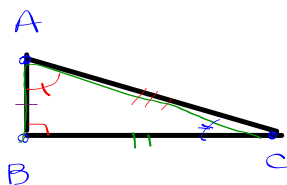
Recall:



Lesson 2 : Congruent Triangles

(same)

ex



Definition: Congruent \triangle 's are the same \triangle .

• corresponding angles are congruent

$$\angle BAC \cong \angle YZX$$

$$\angle BCA \cong \angle YXZ$$

that is, same corresponding side lengths

$$\overline{AB} \cong \overline{YZ}$$

$$\overline{BC} \cong \overline{ZX}$$

How to Determine Two Triangles are Congruent

P 3

if congruency criterion
 $ASA \cong ASA$
 then $\triangle \cong \triangle$

P 1

if
 $SSS \cong SSS$
 then $\triangle \cong \triangle$

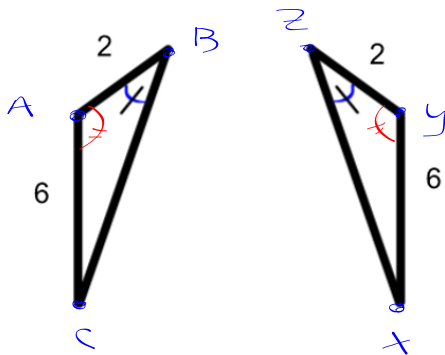
P 2

if
 $SAS \cong SAS$
 then $\triangle \cong \triangle$

PART A – IDENTIFYING CONGRUENT TRIANGLES

Example: For each pair of triangles below, indicate whether they are necessarily congruent triangles. If so, indicate the congruence criterion.

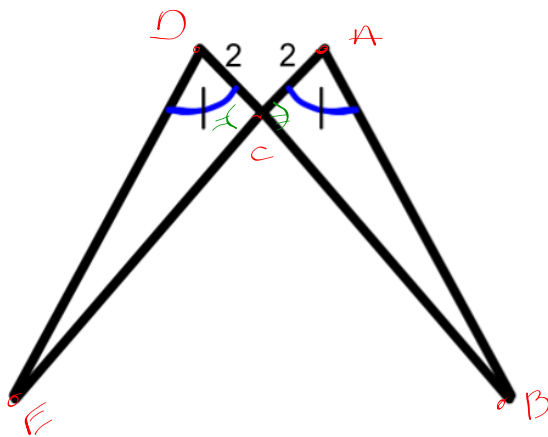
a)



no cuz not contained angle

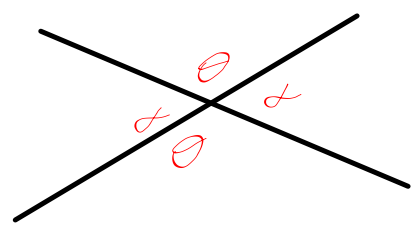
SSS
 " SAS ←
 " ASA

b)



YUP

SSS
 SAS
 ASA



c)

