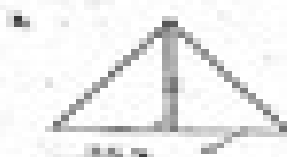
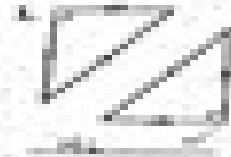


Which postulate or theorem, if any, would you use to prove each pair of triangles congruent?



Suppose you know that the indicated parts of the triangles are congruent. Which postulate or theorem, if any, would you use to prove $\triangle ABC \cong \triangle DEF$?

1. $\angle C \cong \angle E$

$\angle B \cong \angle D$

$\angle A \cong \angle F$

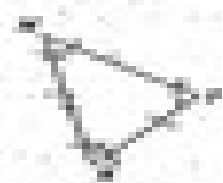
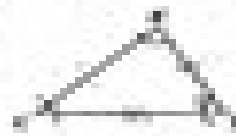
AAA

2. $\angle C \cong \angle E$

$\angle B \cong \angle D$

$\angle A \cong \angle F$

AAA



3. $\angle C \cong \angle E$

$\angle B \cong \angle D$

$\angle A \cong \angle F$

AAA

4. $\angle C \cong \angle E$

$\angle B \cong \angle D$

$\angle A \cong \angle F$

AAA

What are additional congruence or pieces of information would you need to know in order to show that the triangles are congruent by the indicated method?

11. $\angle A \cong \angle D, \angle C \cong \angle F$; need $\angle B \cong \angle E$

12. $\angle C \cong \angle E$; need $\angle B \cong \angle D$

13. $\angle C \cong \angle E$; need $\angle A \cong \angle D$

14. $\angle C \cong \angle E, \angle A \cong \angle D, \angle B \cong \angle D$

15. $\angle C \cong \angle E, \angle A \cong \angle D$ or $\angle B \cong \angle D$

