

1. Suppose  $\triangle BIG \cong \triangle CAT$ .

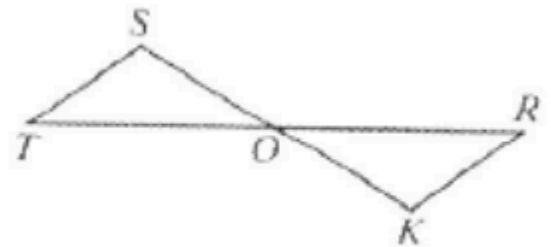
- a.  $\angle G \cong$  \_\_\_\_\_      b. \_\_\_\_\_  $\cong \angle A$       c.  $BI \cong$  \_\_\_\_\_  
 d. \_\_\_\_\_  $\cong AT$       e.  $\triangle IGB \cong$  \_\_\_\_\_      f. \_\_\_\_\_  $\cong \triangle CTA$

2. If  $\triangle DEF \cong \triangle RST$ ,  $m\angle D = 100$  and  $m\angle F = 40$ , name four congruent angles.

3. Suppose  $\triangle LXR \cong \triangle FNE$ . List six congruences that can be justified by the following reason:  
 Corresponding parts of congruent triangles are congruent.

4. The two triangles shown are congruent. Complete

- a.  $\triangle STO \cong$  \_\_\_\_\_  
 b.  $\angle S \cong$  \_\_\_\_\_  
 c.  $SO \cong$  \_\_\_\_\_  
 d. Then point O is the midpoint of \_\_\_\_\_  
 e.  $\angle T \cong$  \_\_\_\_\_  
 f.  $ST \parallel RK$  because...



5. The two triangles shown are congruent. Complete:

- a.  $\triangle PAL \cong$  \_\_\_\_\_  
 b.  $PA \cong$  \_\_\_\_\_  
 c.  $\angle 1 \cong$  \_\_\_\_\_  
 d.  $PA \parallel$  \_\_\_\_\_ because...  
 e.  $\angle 2 \cong$  \_\_\_\_\_  
 Then \_\_\_\_\_  $\parallel$  \_\_\_\_\_ because....

