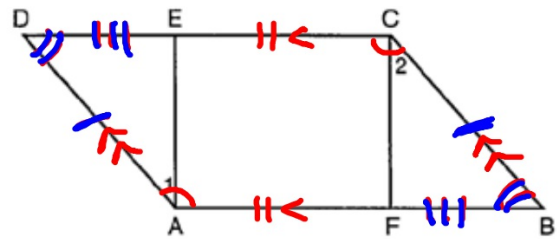


Given: $\square ABCD$
 $\overline{DE} \cong \overline{FB}$

Prove: a) $\triangle DEA \cong \triangle BFC$
 b) $\angle 1 \cong \angle 2$



STATEMENT

REASONS

- SAS**
1. Parallelogram ABCD
 2. $\overline{AD} \cong \overline{BC}$
 3. $\angle D \cong \angle B$
 4. $\overline{DE} \cong \overline{FB}$
 5. $\triangle DEA \cong \triangle BFC$
 6. $\angle 1 \cong \angle 2$

1. Given
2. opp sides of parallelogram $\cong$
3. opp angles of parallelogram $\cong$
4. Given
5. SAS
6. CPCTC