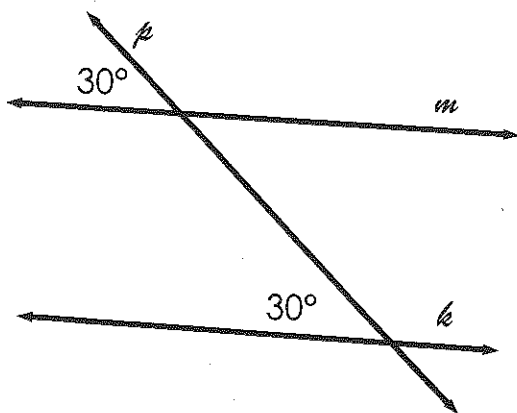
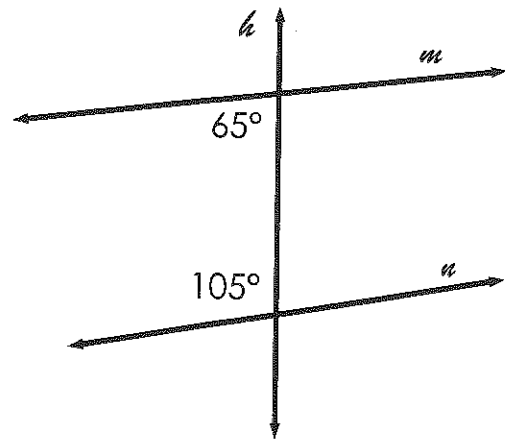


Independent Practice



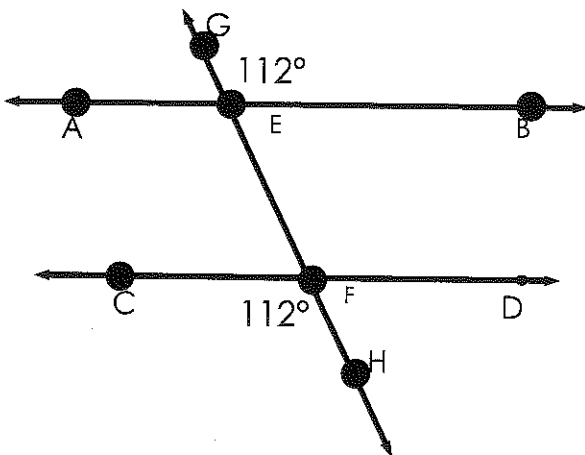
Prove $k \parallel m$

lines m and line k
are \parallel b/c corresponding
angles are \cong .



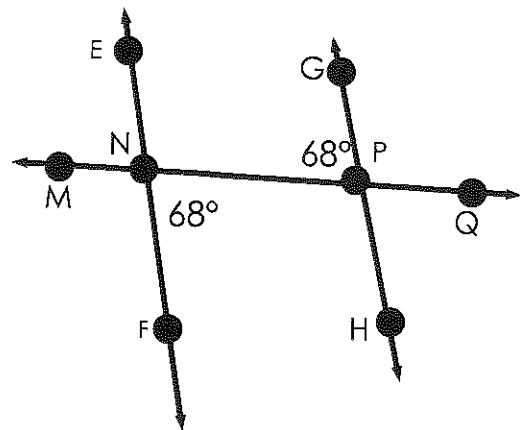
Prove $n \parallel m$

line n is NOT parallel
to line m because since
side interior are NOT
supplementary



Prove $\overline{AB} \parallel \overline{CD}$

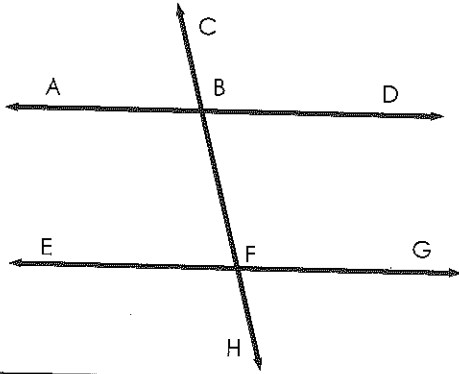
$AB \parallel CD$ b/c
 $\angle GEB$ and $\angle CFH$ are
Alt Ext \angle 's and they
are \cong .



Prove $\overline{EF} \parallel \overline{GH}$

$EF \parallel GH$ b/c
 $\angle FNP$ and $\angle GPN$ are
Alt. int. \angle 's and they
are \cong .

\overline{CH} is the transversal for line \overline{AD} and \overline{EG} .



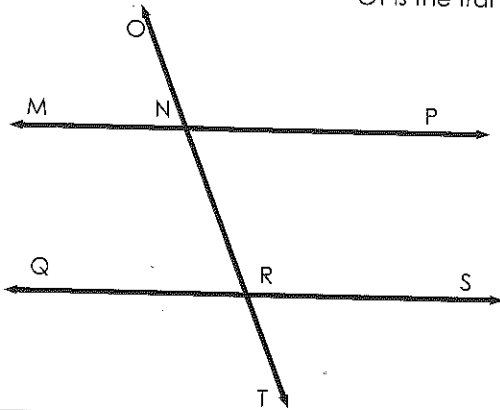
Which statement would prove $\overline{AB} \parallel \overline{EG}$?

1. $\angle ABC \cong \angle FBD$
2. $\angle ABC \cong \angle CBD$
3. $\angle ABC \cong \angle HFG$

Explain your answer.

Alt Ext. \angle s \cong

\overline{OT} is the transversal for line \overline{MP} and \overline{QS} .



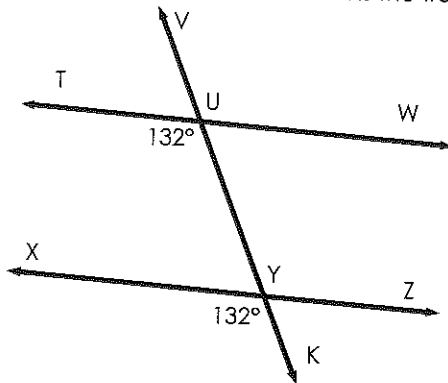
Which statement would prove $\overline{MP} \parallel \overline{QS}$?

1. $\angle MNT \cong \angle QRN$
2. $\angle ONP \cong \angle NRQ$
3. $\angle ONM \cong \angle QRO$

Explain your answer.

Corr \angle s are \cong

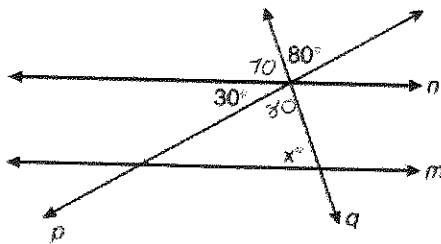
\overline{VK} is the transversal for line \overline{TW} and \overline{XZ} .



Prove $\overline{TW} \parallel \overline{XZ}$

$\overline{TW} \parallel \overline{XZ}$ b/c
 $\angle TUV$ and $\angle XYK$ are
 corresponding \angle s and
 they are \cong

In the diagram below, lines n and m are cut by transversals p and q .



$x = 70$

Explain your answer

$x = 70$ b/c ...

What value of x would make lines n and m parallel?