LESSON 3.5

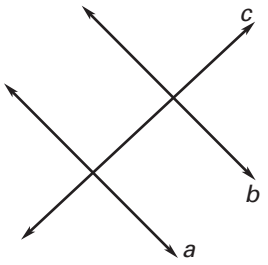
NAME _____ DATE _____

Practice B

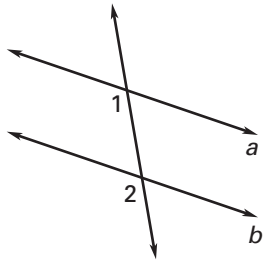
For use with pages 157–164

State the postulate or theorem that allows you to conclude that $a \parallel b$.

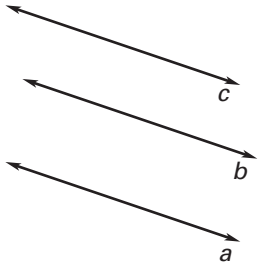
1. Given: $a \perp c, b \perp c$



2. Given: $\angle 1 \cong \angle 2$

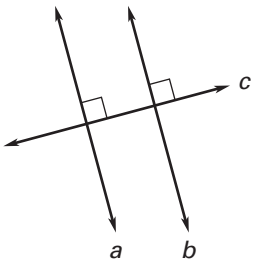


3. Given: $a \parallel c, b \parallel c$

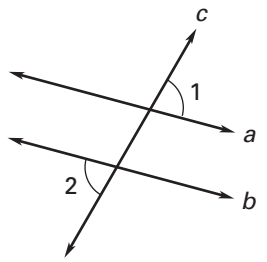


Explain how you would show that $a \parallel b$. State any postulates or thoerems that you would use.

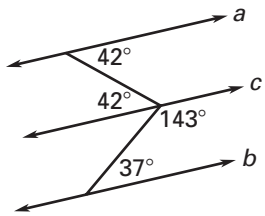
4.



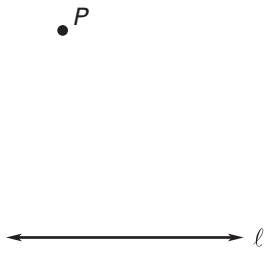
5.



6.



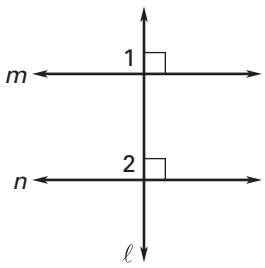
7. Construct a line parallel to ℓ through point P.



8. Complete the two-column proof of Theorem 3.12.

Given: $m \perp \ell, n \perp \ell$

Prove: $m \parallel n$



Statements	Reasons
1. $m \perp \ell, n \perp \ell$	**1.** _____
2. $\angle 1$ is a rt. $\angle$.	**2.** _____
3. $\angle 2$ is a rt. $\angle$.	**3.** _____
4. $\angle 1 \cong \angle 2$	**4.** _____
5. $m \parallel n$	**5.** _____