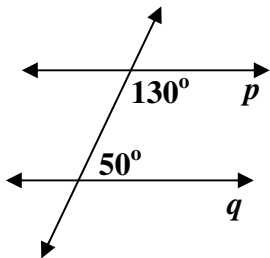


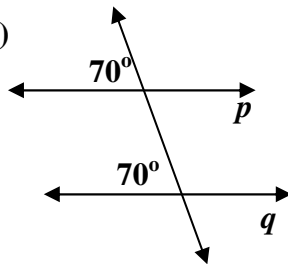
Is it possible to prove lines p and q are parallel? If so, explain. If not, explain why not.

1)



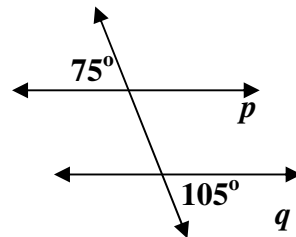
$p \parallel q$ Yes or No

2)



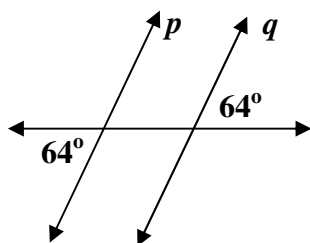
$p \parallel q$ Yes or No

3)



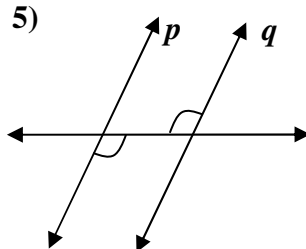
$p \parallel q$ Yes or No

4)



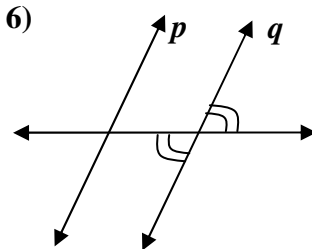
$p \parallel q$ Yes or No

5)



$p \parallel q$ Yes or No

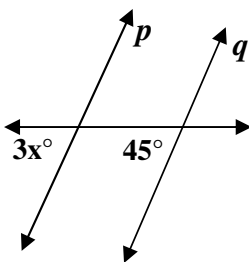
6)



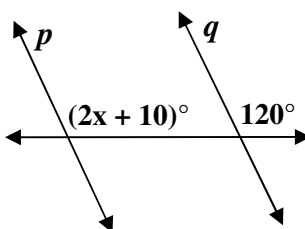
$p \parallel q$ Yes or No

Find the value of x that makes $p \parallel q$.

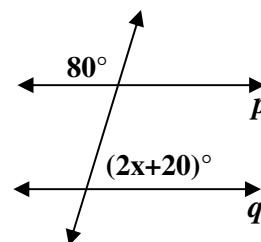
7)



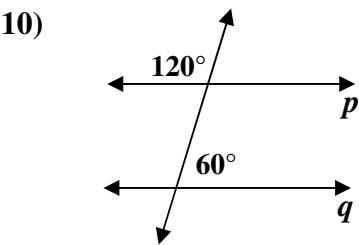
8)



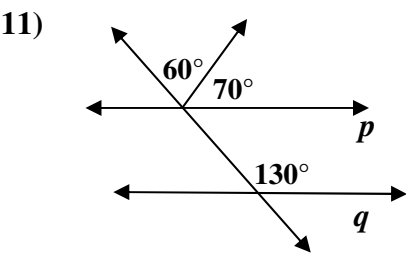
9)



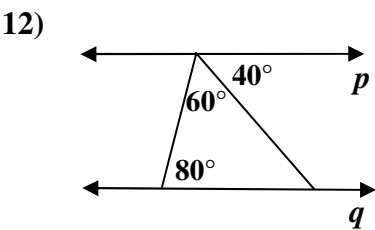
Is it possible to prove lines m and n are parallel? If so, explain how.



$p \parallel q$ Yes or No



$p \parallel q$ Yes or No



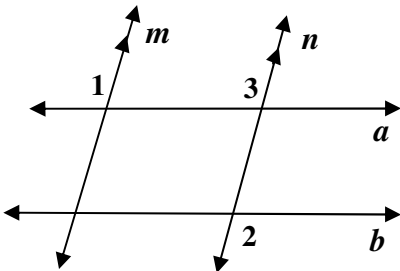
$p \parallel q$ Yes or No

Choosing from the reasons below, complete the two-column proof.

- If lines are parallel, then corresponding angles are congruent.
- If lines are parallel, then alternate exterior angles are congruent.
- If corresponding angles are congruent, then lines are parallel.
- If alternate exterior angles are congruent, then lines are parallel.

Given: $m \parallel n$
 $\angle 1 \cong \angle 2$

Prove: $a \parallel b$



Statements	Reasons
1. $m \parallel n$	1. Given
2. $\angle 1 \cong \angle 3$	2. _____
3. $\angle 1 \cong \angle 2$	3. Given
4. $\angle 3 \cong \angle 2$	4. _____
5. $a \parallel b$	5. _____