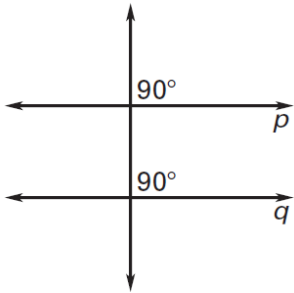
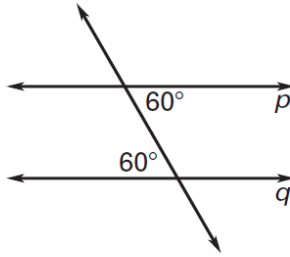


Is there enough information to prove that lines p and q are parallel? If so, state the postulate or theorem you would use.

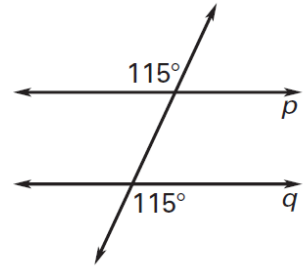
1.



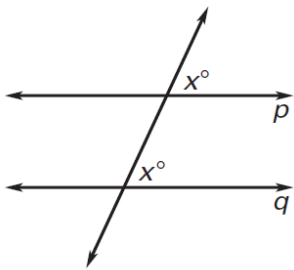
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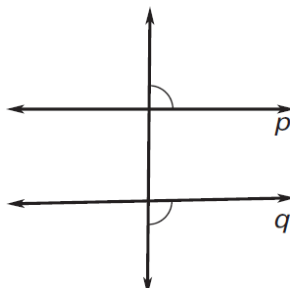
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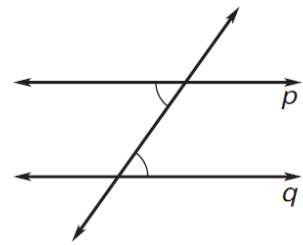
4.



5.

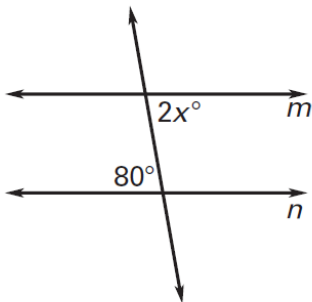


6.

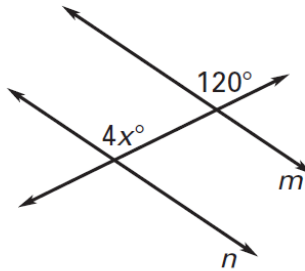


Find the value of x that makes $m \parallel n$.

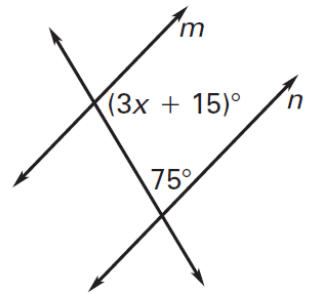
7.



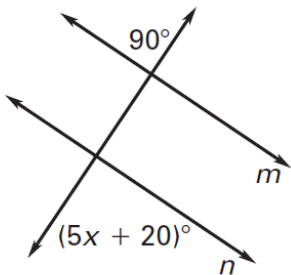
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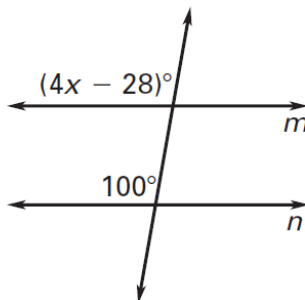
9.



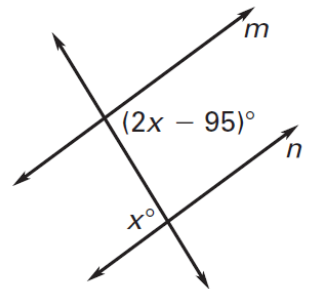
10.



11.



12.



For #13- 18, use the given information to decide if $m \parallel n$, $p \parallel q$, or *neither*.

13) $\angle 2 \cong \angle 11$

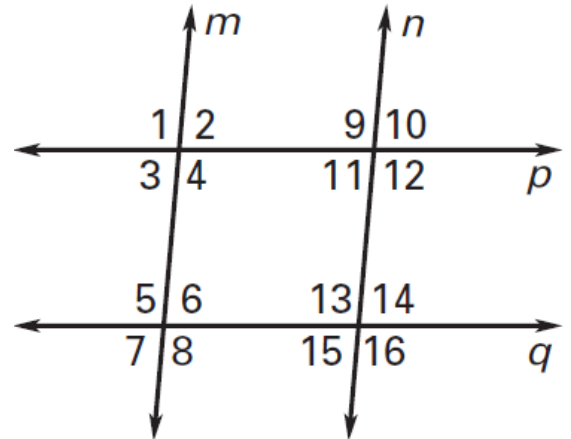
14) $\angle 3 \cong \angle 6$

15) $\angle 10 \cong \angle 15$

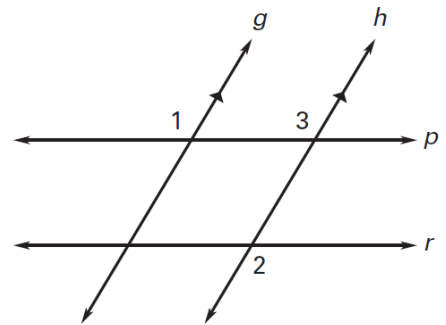
16) $\angle 14 \cong \angle 15$

17) $\angle 4 + \angle 11 = 180^\circ$

18) $\angle 12 + \angle 14 = 180^\circ$



19) Given that $g \parallel h$, $\angle 1 \cong \angle 2$, explain in sentences how you can prove that $p \parallel r$.



20) Given that $g \parallel h$, $\angle 1 \cong \angle 2$, explain in sentences how you can prove that $p \parallel r$.

