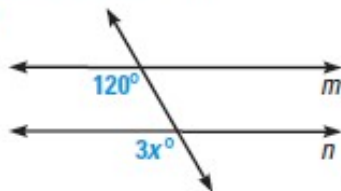
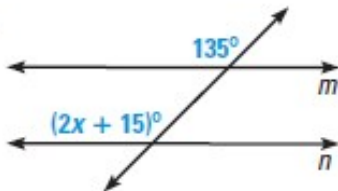


**xy ALGEBRA** Find the value of  $x$  that makes  $m \parallel n$ .

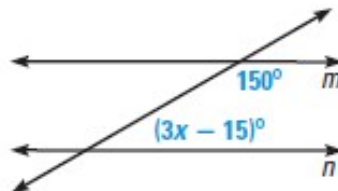
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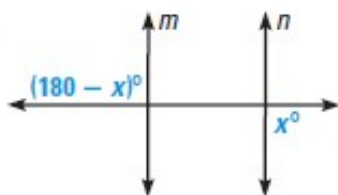
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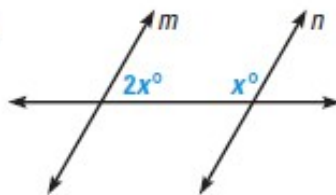
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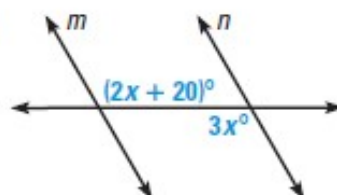
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7.

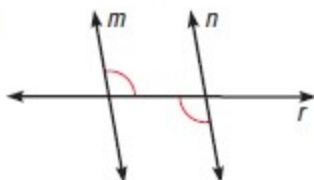


8.

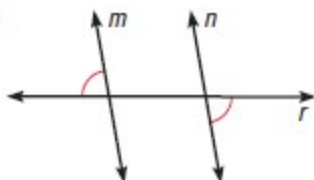


**IDENTIFYING PARALLEL LINES** Is there enough information to prove  $m \parallel n$ ?  
If so, state the postulate or theorem you would use.

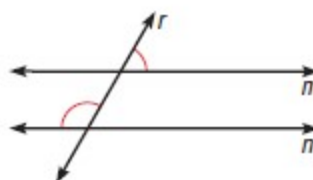
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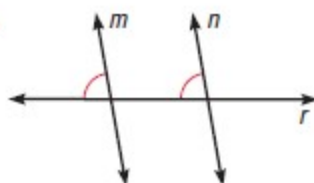
11.



12.



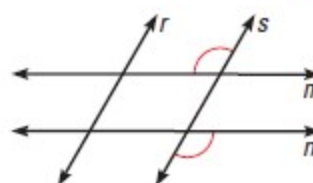
13.



14.



15.

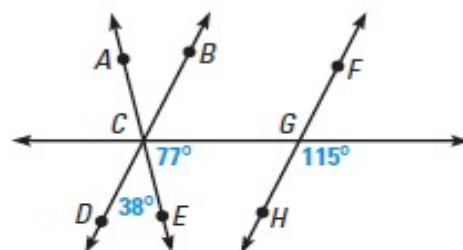


17. **MULTI-STEP PROBLEM** Complete the steps below to determine whether  $\overleftrightarrow{DB}$  and  $\overleftrightarrow{HF}$  are parallel.

a. Find  $m\angle DCG$  and  $m\angle CGH$ .

b. Describe the relationship between  $\angle DCG$  and  $\angle CGH$ .

c. Are  $\overleftrightarrow{DB}$  and  $\overleftrightarrow{HF}$  parallel? Explain your reasoning.



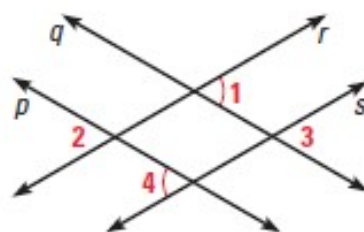
23. **★ MULTIPLE CHOICE** Use the diagram at the right. You know that  $\angle 1 \cong \angle 4$ . What can you conclude?

(A)  $p \parallel q$

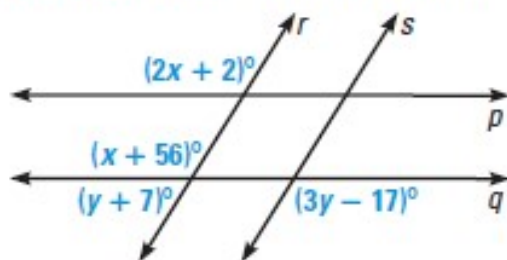
(B)  $r \parallel s$

(C)  $\angle 2 \cong \angle 3$

(D) None of the above



28. **CHALLENGE** Use the diagram.



a. Find  $x$  so that  $p \parallel q$ .

b. Find  $y$  so that  $r \parallel s$ .