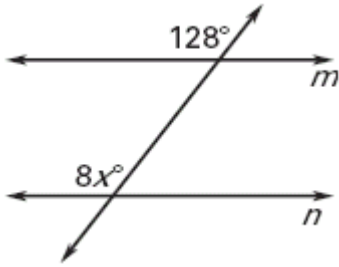
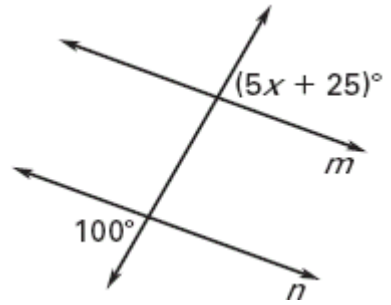


Find the value of x that makes $m \parallel n$. Justify your reasoning.

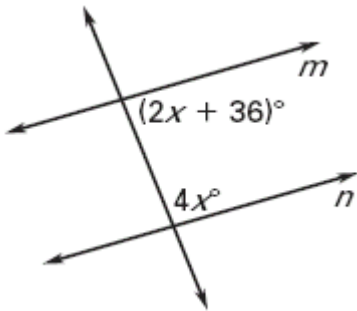
1.



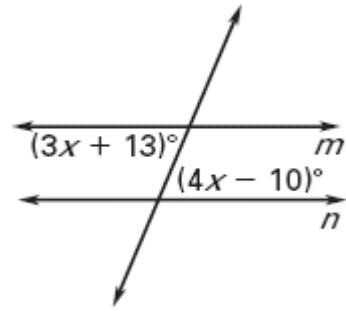
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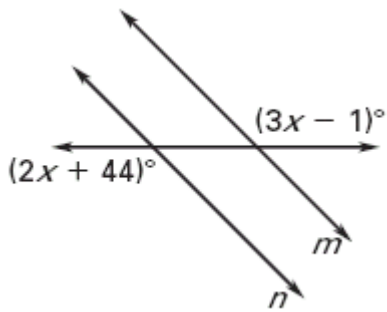
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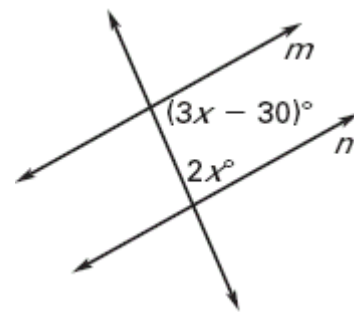
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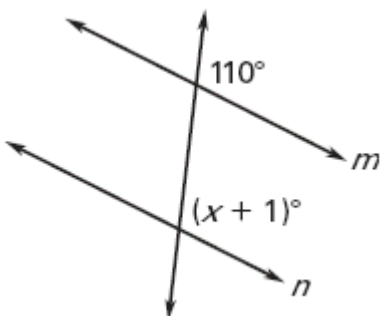
5.



6.



7.



Answers:

1. $x = 16$, $m \parallel n$ by Corresponding Angles Converse
2. $x = 15$, $m \parallel n$ by Alternate Exterior Angles Converse
3. $x = 24$, $m \parallel n$ by Consecutive Interior Angles Converse
4. $x = 23$, $m \parallel n$ by Alternate Interior Angles Converse
5. $x = 45$, $m \parallel n$ by Alternate Exterior Angles Converse
6. $x = 42$, $m \parallel n$ by Consecutive Interior Angles Converse
7. $x = 109$, $m \parallel n$ by Corresponding Angles Converse