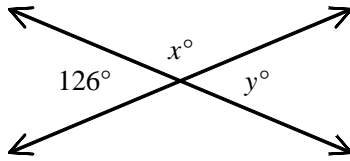
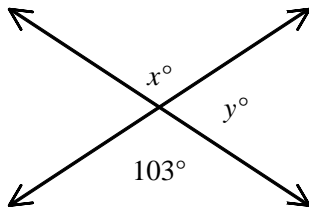


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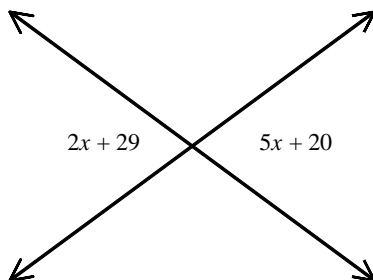
1. Find x and y .



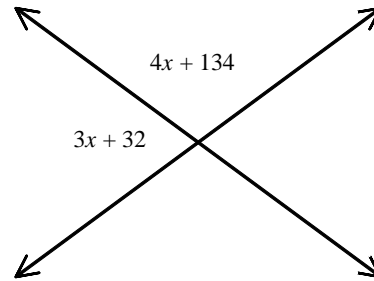
2. Find x and y .



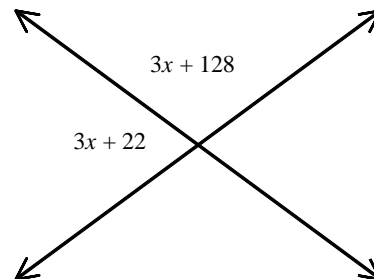
3. Solve for x :



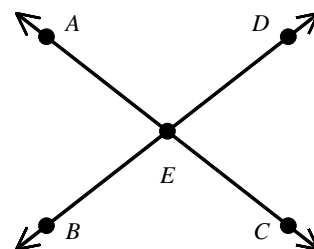
4. Solve for x :



5. Solve for x :



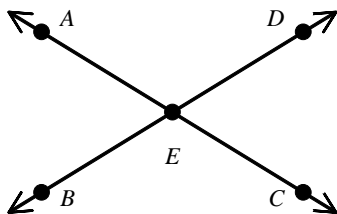
6. In the figure shown, $m\angle AED = 104$. Which of the following statements is false?



- [A] $m\angle AEB = 76$
[B] $m\angle BEC = 104$
[C] $\angle BEC$ and $\angle CED$ are adjacent angles.
[D] $\angle AEB$ and $\angle DEC$ are supplementary angles.

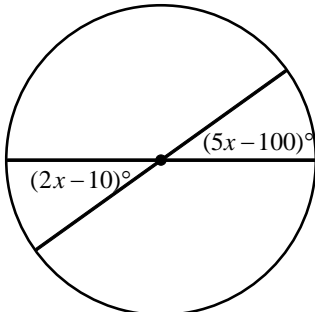
NAME: _____

7. In the figure shown, $m\angle AED = 117$. Which of the following statements is false?



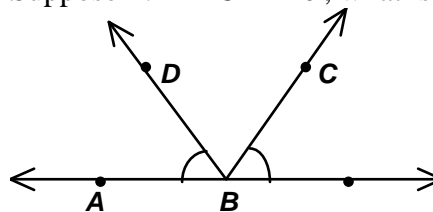
- [A] $m\angle BEC = 63$
 [B] $\angle BEC$ and $\angle CED$ are adjacent angles.
 [C] $\angle AEB$ and $\angle DEC$ are vertical angles.
 [D] $m\angle AEB = 63$

8. Which of the following is the value of x ?



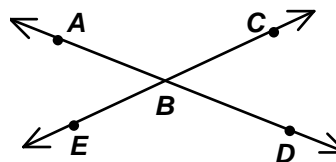
- [A] 10 [B] 30 [C] 25
 [D] 100 [E] 0

9. Suppose $m\angle ABC = 110$, what is $m\angle DBC$?



- [A] 40 [B] 120 [C] 20
 [D] 110 [E] 45

10. Compare the quantity in Column A with the quantity in Column B.



| <u>Column A</u> | <u>Column B</u> |
|-----------------|-----------------|
| $m\angle ABC$ | $m\angle ABE$ |

- [A] The quantity in Column A is greater.
 [B] The quantity in Column B is greater.
 [C] The quantities are equal.
 [D] The relationship cannot be determined on the basis of the information given.

[1] $x = 54; y = 126$ _____

[2] $x = 103; y = 77$ _____

[3] 3 _____

[4] 2 _____

[5] 5 _____

[6] D _____

[7] A _____

[8] B _____

[9] A _____

[10] D _____