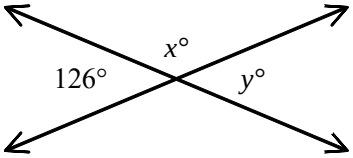
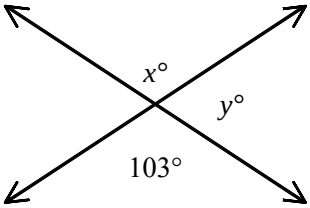
NAME:_____

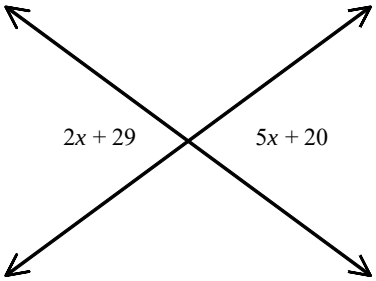
1. Find x and y.



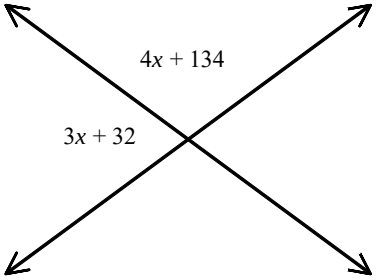
2. Find x and y.



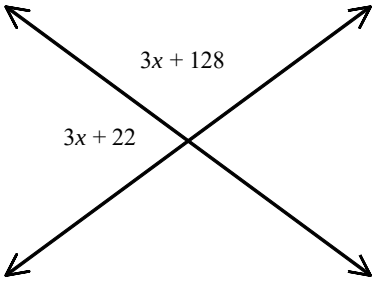
3. Solve for x:



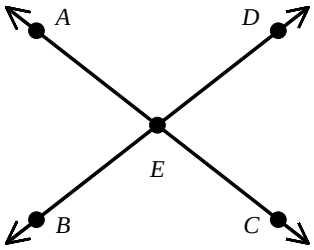
4. Solve for x:



5. Solve for x:



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



[A] $m \angle AEB = 76$

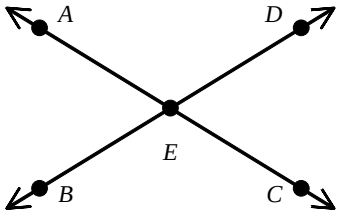
[B] $m \angle BEC = 104$

[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?



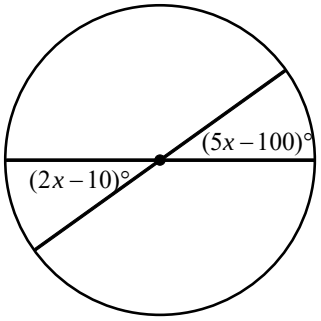
[A] $m\angle BEC = 63$

[B] $\angle BEC$ and $\angle CED$ are adjacent angles.

[C] $\angle AEB$ and $\angle DEC$ are vertical angles.

[D] $m\angle AEB = 63$

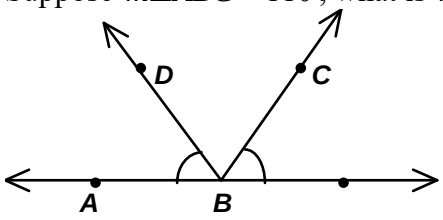
8. Which of the following is the value of x?



[A] 10 [B] 30 [C] 25

[D] 100 [E] 0

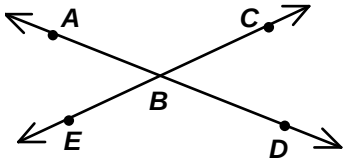
9. Suppose $m\angle ABC = 110$, what is $m\angle DBC$?



[A] 40 [B] 120 [C] 20

[D] 110 [E] 45

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



Column A	Column B
$m\angle ABC$	$m\angle ABE$

[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