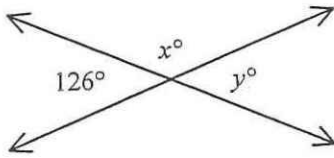
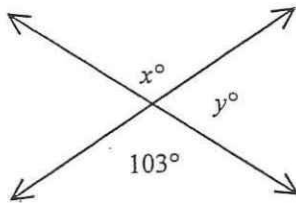


NAME: \_\_\_\_\_

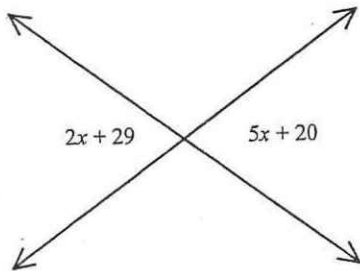
1. Find  $x$  and  $y$ .



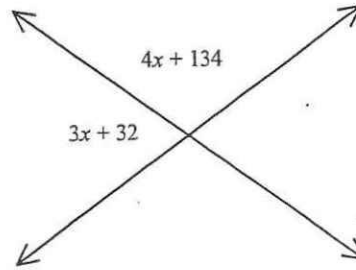
2. Find  $x$  and  $y$ .



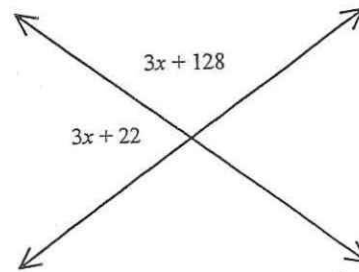
3. Solve for  $x$ :



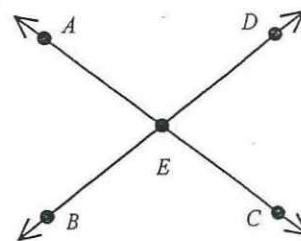
4. Solve for  $x$ :



5. Solve for  $x$ :



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



[A]  $m\angle AEB = 76$

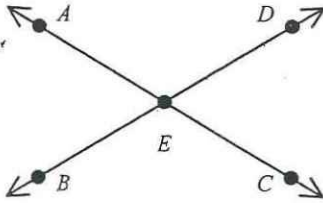
[B]  $m\angle BEC = 104$

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

[D]  $\angle AEB$  and  $\angle DEC$  are supplementary angles.

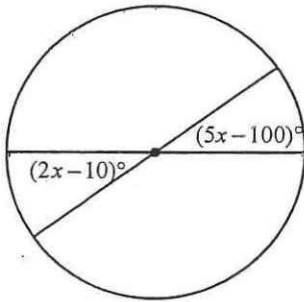
NAME: \_\_\_\_\_

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



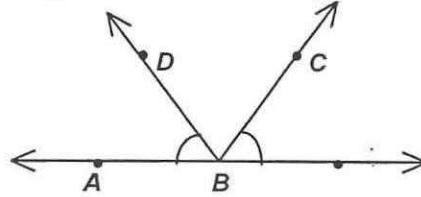
- [A]  $m\angle BEC = 63$   
 [B]  $\angle BEC$  and  $\angle CED$  are adjacent angles.  
 [C]  $\angle AEB$  and  $\angle DEC$  are vertical angles.  
 [D]  $m\angle AEB = 63$

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



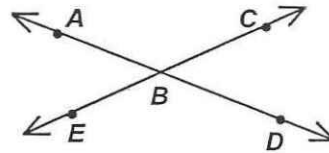
- [A] 10      [B] 30      [C] 25  
 [D] 100      [E] 0

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.



<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.

Contemporary Math  
Solving Equations #1



Name: \_\_\_\_\_

Date: \_\_\_\_\_ Hour: \_\_\_\_\_

You MUST show all steps for solving!!!

1.  $x + 4 = -10$

2.  $-2x = 36$

3.  $40x = 5$

4.  $x - 14 = 4$

5.  $\frac{x}{-2} = -15$

6.  $10 - x = -2$

7.  $-5 = \frac{x}{6}$

8.  $x + -6 = -10$

9.  $\frac{x}{8} = -4$

10.  $4x + 5 = -31$

11.  $2 + 3k = 11$

12.  $7w + -2 = -19$

13.  $4x - 10 = -6$

14.  $8a + 8 = 16$

15.  $6b + 7 = 19$