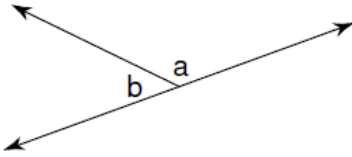


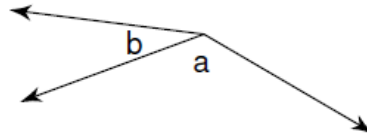
Name: \_\_\_\_\_ Date: \_\_\_\_\_

Name the angle relationship: linear pair, vertical angles, or adjacent.

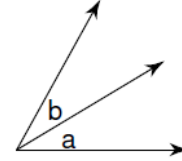
1.



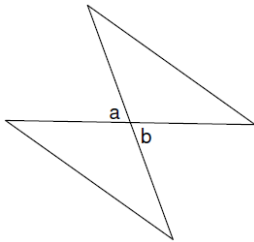
2.



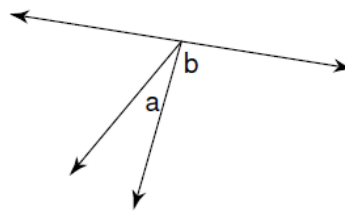
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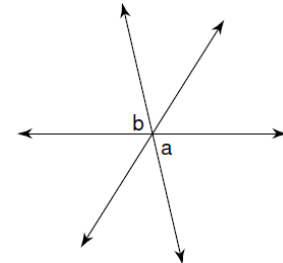
4.



5.



6.



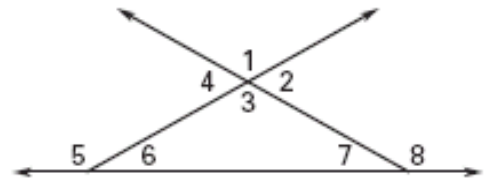
Use the diagram to tell whether the angles are vertical angles, a linear pair, or neither.

7.  $\angle 1$  and  $\angle 2$  \_\_\_\_\_ 8.  $\angle 1$  and  $\angle 3$  \_\_\_\_\_

9.  $\angle 1$  and  $\angle 4$  \_\_\_\_\_ 10.  $\angle 1$  and  $\angle 5$  \_\_\_\_\_

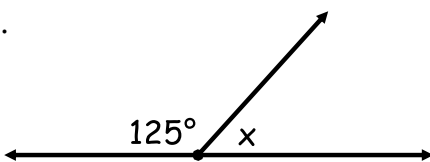
11.  $\angle 1$  and  $\angle 6$  \_\_\_\_\_ 12.  $\angle 1$  and  $\angle 7$  \_\_\_\_\_

13.  $\angle 1$  and  $\angle 8$  \_\_\_\_\_ 14.  $\angle 2$  and  $\angle 4$  \_\_\_\_\_

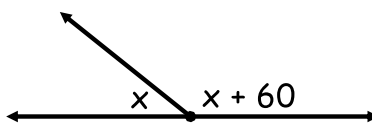


Solve for x.

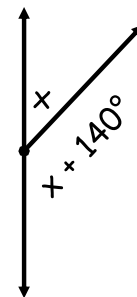
15.



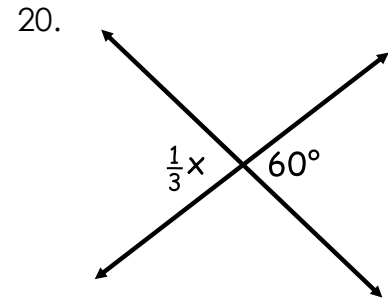
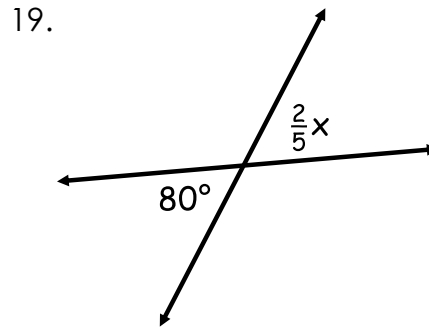
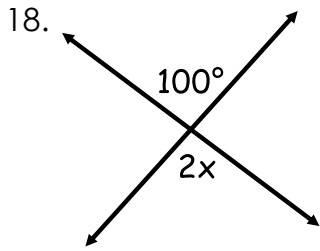
16.



17.

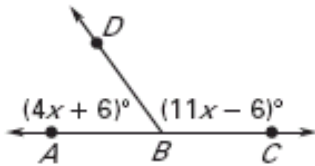


Solve for x.

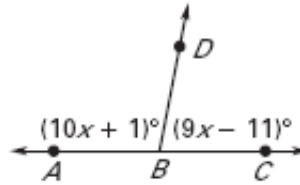


Use the diagram to find the indicated measure.

21.  $x =$  \_\_\_\_\_  
 $m\angle ABD =$  \_\_\_\_\_  
 $m\angle DBC =$  \_\_\_\_\_



22.  $x =$  \_\_\_\_\_  
 $m\angle ABD =$  \_\_\_\_\_  
 $m\angle DBC =$  \_\_\_\_\_



23.  $x =$  \_\_\_\_\_  
 $m\angle ABC =$  \_\_\_\_\_  
 $m\angle DBE =$  \_\_\_\_\_

