Name_____ Date _____

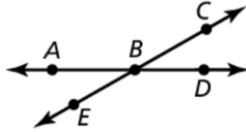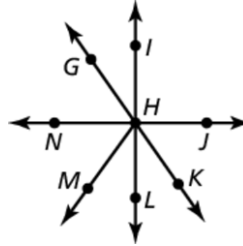**Name two pairs of adjacent angles and two pairs of vertical angles in the figure.**

1.



2.



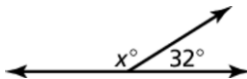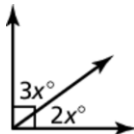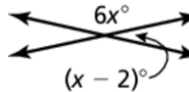**Tell whether the angles are *adjacent* or *vertical*. Then find the value of *x*.**

3.



$x°$  $32°$

4.



$142°$
$x°$

5.



$3x°$
$2x°$

6.



$6x°$
$(x - 2)°$

**Draw a pair of vertical angles with the given measure.**

7.  $40°$

8.  $75°$

9.  $120°$

10.  Draw a pair of adjacent angles with the given description.

    **a.** Both angles are obtuse.

    **b.** The sum of the angle measures is $180°$.

    **c.** The sum of the angles measures is $60°$.

11.  What are the measures of the other three angles formed by the intersection?



$132°$  1  2  3