Geometry- Mrs. Tilus   Name: _____
Unit 1- Worksheet #4: Measure and Classify Angles
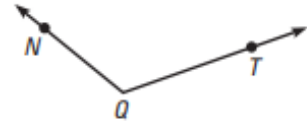
1. Write three names for the angle shown. Then name the vertex and sides of the angle.

Classify the angle with the given measure as *acute, obtuse, right or straight.*

   2. $m\angle W = 180°$ 3. $m\angle X = 35°$ 4. $m\angle Y = 90°$ 5. $m\angle W = 179.5°$
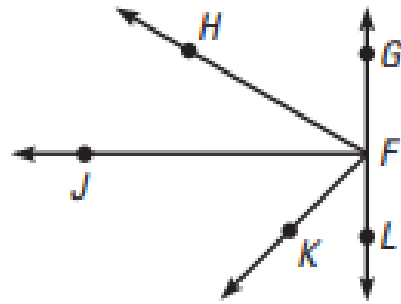
Use a protractor to find the measure of the given angle (You might need to extend the lines or rays). Then classify the angle as *acute, obtuse, right or straight.*
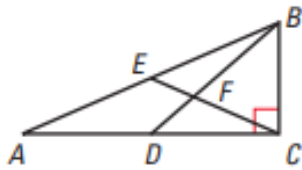
   6. $m\angle JFL =$ 7. $m\angle GFH =$

   8. $m\angle GFK =$ 9. $m\angle GFL =$

Give another name for the angle in the diagram. Tell whether the angle appears to be *acute, obtuse, right or straight.*

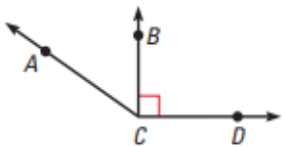   10. $\angle ACB$ 11. $\angle BFD$

                                   12. $\angle AEC$ 13. $\angle BAC$

14. Which is a correct name for the obtuse angle in the diagram?

                        A. $\angle ACB$ B. $\angle ACD$ C. $\angle BCD$ D. $\angle C$
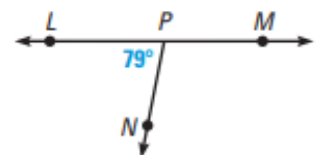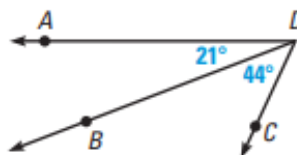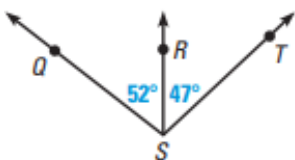
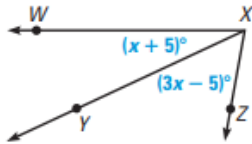Find the indicated angle measure.

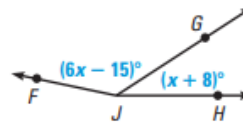   15. $m\angle QST =$ 16. $m\angle ADC =$ 17. $m\angle NPM =$

Use the given information to find the indicated angle measure.

18. **Given:** $m\angle WXZ = 80°$; find $m\angle YXZ$
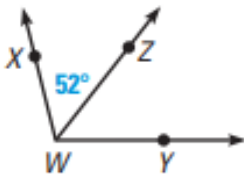
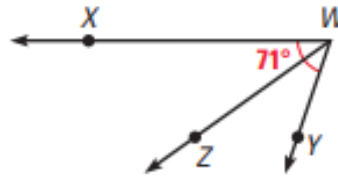19. **Given:** $m\angle FJH = 168°$; find $m\angle FJG$

Given that $\overrightarrow{WZ}$ bisects, $\angle XWY$, find the two angle measure not given in the diagram.

20.
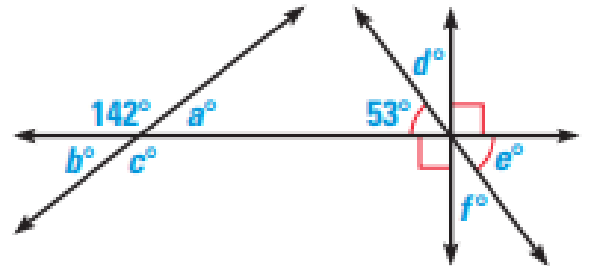
21.

Find the indicated angle measure.

22. $a°$ 23. $b°$

24. $c°$ 25. $d°$

26. $e°$ 27. $f°$
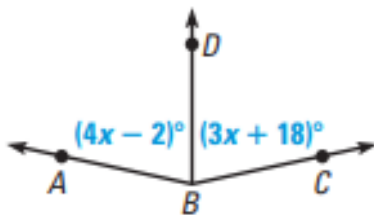
In each diagram, $\overrightarrow{BD}$ bisects $\angle ABC$. Find $m\angle ABC$.

28.

29.