

LESSON
1.4

Practice A

For use with pages 24–34

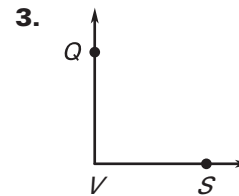
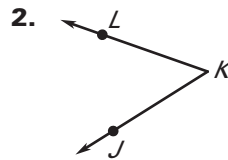
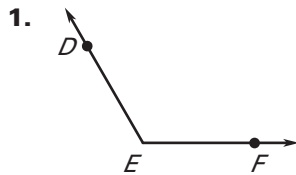
Student Score:

AtL

Teacher Score:

Form

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*.

4. $m\angle A = 115^\circ$

5. $m\angle A = 85^\circ$

6. $m\angle A = 90^\circ$

7. $m\angle A = 170^\circ$

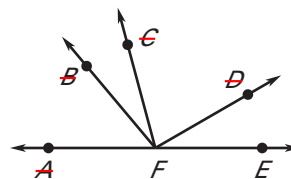
~~Use a protractor to find the measure of the given angle. Then classify the angle as acute, obtuse, right, or straight.~~

~~8. $\angle DFE$~~

~~9. $\angle AFB$~~

~~10. $\angle CFE$~~

~~11. $\angle AFE$~~



Show your work!
Circle your answer!

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

12. $\angle LKJ$

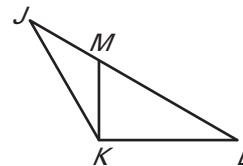
13. $\angle JLK$

14. $\angle KJL$

15. $\angle MKL$

16. $\angle JML$

17. $\angle KMJ$

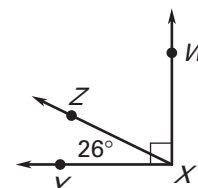
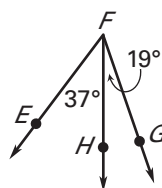
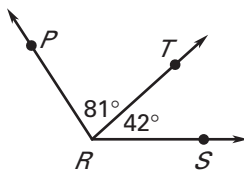


Find the indicated angle measure.

18. $m\angle PRS = \underline{\quad?}$

19. $m\angle EFG = \underline{\quad?}$

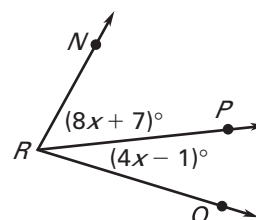
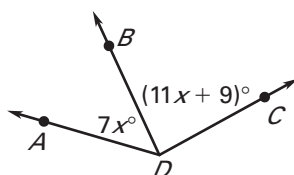
20. $m\angle WXZ = \underline{\quad?}$



Use the given information to find the indicated angle measure.

21. Given $m\angle ADC = 135^\circ$, find $m\angle BDC$.

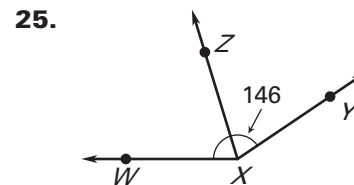
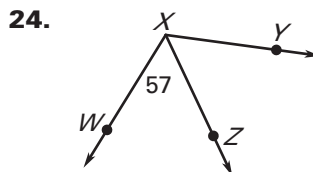
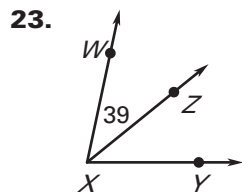
22. Given $m\angle NRQ = 78^\circ$, find $m\angle PRQ$.



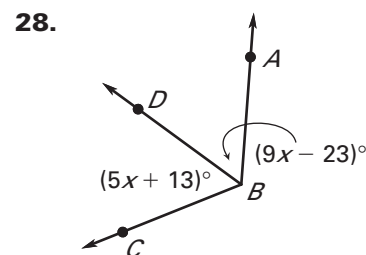
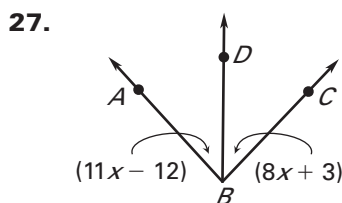
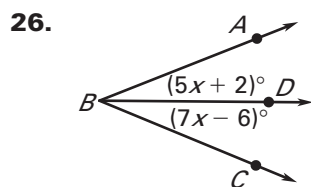
LESSON 1.4 **Practice A** *continued*
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The "!" really should be the

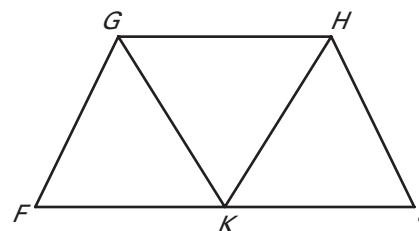
Given that \overrightarrow{XZ} bisects $\angle WXY$, find the two angle measures not given in the diagram. degree symbol.



In each diagram, \overrightarrow{BD} bisects $\angle ABC$. Find $m\angle ABC$. Write an equation!



29. **Bridge** In the bridge shown at the right, the measure of $\angle FGH$ is 116° and \overline{GK} bisects $\angle FGH$. What is the measure of $\angle FGK$?



30. **Streets** The diagram shows the intersection of three streets. The measure of $\angle MPN$ is 55° and $\angle LPN$ is a right angle. What is the measure of $\angle LPM$?

