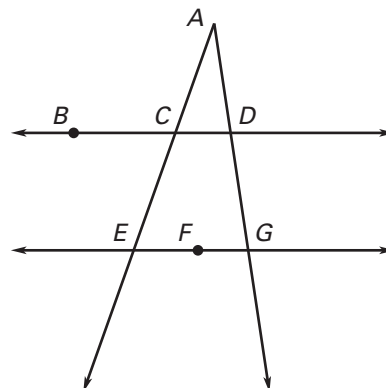


Cumulative Review

For use after Chapters 1–2

Use the diagram at the right. (Lesson 1.3)

1. Name a point that is collinear with D and G .
2. Name two lines that pass through E .
3. Name the points that are not collinear with D and C .



Sketch the figure described. (Lessons 1.3 and 1.4)

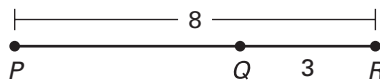
4. Three non collinear points, A , B , and C . Draw \overleftrightarrow{AB} and \overleftrightarrow{AC} .
5. Two planes that do not intersect, and line r that intersects both.

Find the length. (Lesson 1.5)

6. Find MO .



7. Find PQ .



Classify the angle as *acute*, *right*, *obtuse* or *straight*. (Lesson 1.6)

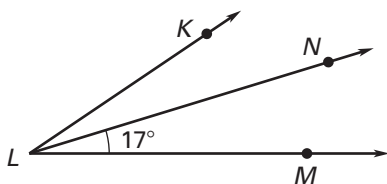
8. $m\angle A = 180^\circ$ 9. $m\angle B = 97^\circ$ 10. $m\angle C = 32^\circ$ 11. $m\angle D = 90^\circ$

Find the coordinates of the midpoint of \overline{AB} . (Lesson 2.1)

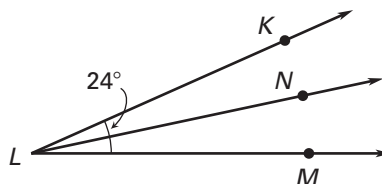
12. $A(12, -4)$, $B(8, -2)$ 13. $A(-7, 5)$, $B(1, -3)$

\overleftrightarrow{LN} bisects $\angle KLM$. Find the angle measure. (Lesson 2.2)

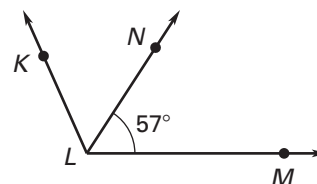
14. Find $m\angle KLN$.



15. Find $m\angle NLM$.



16. Find $m\angle KLM$.

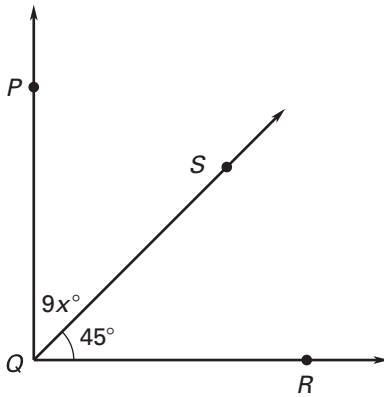


Cumulative Review

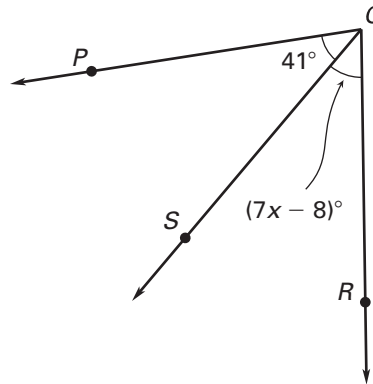
For use after Chapters 1–2

\overrightarrow{QS} bisects $\angle PQR$. Find the value of the variable. (Lesson 2.2)

17.



18.



19. $\angle A$ is the supplement of $\angle B$, and $m\angle A = 52^\circ$. Find $m\angle B$. (Lesson 2.3)

20. $\angle X$ is the complement of $\angle Y$, and $m\angle Y = 37^\circ$. Find $m\angle X$. (Lesson 2.3)

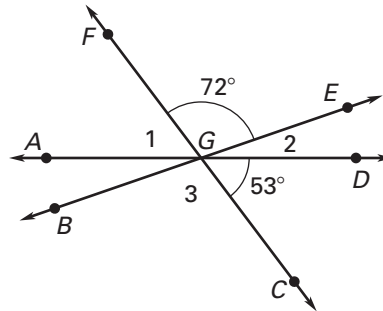
Use the diagram at the right. (Lesson 2.4)

21. Find $m\angle 1$.

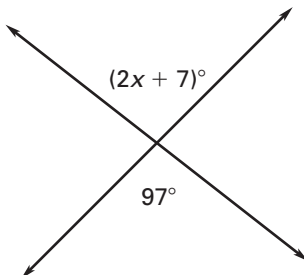
22. Find $m\angle 2$.

23. Find $m\angle 3$.

24. Name two pairs of vertical angles.



25. Find the value of the variable. (Lesson 2.4)



26. What can you conclude from the given true statements? (Lesson 2.5)

If you leave windows open when it is raining, then your floors will get wet.

You leave your windows open when it is raining.

Name the property the statement illustrates. (Lesson 2.6)

27. If $m\angle A = m\angle X$, then $m\angle X = m\angle A$.

28. $\angle MNO \cong \angle MNO$

29. If $AB = CD$ and $CD = FG$, then $AB = FG$.

30. If $x = 10$ then $x + y = 10 + y$.