Page 70-74: 1,2,4,7-11,14-25,33-35

Choose the correct term to complete each sentence.

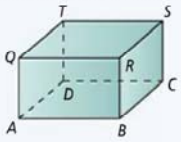
1. A ray that divides an angle into two congruent angles is a(n) ? .

2. ? are two lines that intersect to form right angles.

~~**3.** A(n) ? is a two-dimensional diagram that you can fold to form a 3-D figure.~~

4. ? are two angles with measures that have a sum of 90.

Use the figure below for Exercises 7–9.



7. Name two intersecting lines.

8. Name the intersection of planes $QRBA$ and $TSRQ$.

9. Name three noncollinear points.

Determine whether the statement is *true* or *false*. Explain your reasoning.

10. Two points are always collinear.

11. $\overrightarrow{LM}$ and $\overrightarrow{ML}$ are the same ray.

14. Find the value of m.

15. If $XZ = 50$, what are XY and YZ?

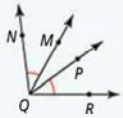
Exercises

Classify each angle as *acute*, *right*, *obtuse*, or *straight*.

16.

17.

Use the diagram below for Exercises 18 and 19.



18. If $m\angle MQR = 61$ and $m\angle MQP = 25$, find $m\angle PQR$.

19. If $m\angle NQM = 2x + 8$ and $m\angle PQR = x + 22$, find the value of x.

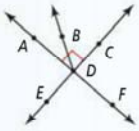
Name a pair of each of the following.

20. complementary angles

21. supplementary angles

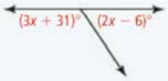
22. vertical angles

23. linear pair

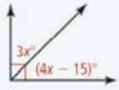


Find the value of x.

24.



25.



$\overline{AB}$ **has endpoints $A(-3, 2)$ and $B(3, -2)$.**

33. Find the coordinates of the midpoint of $\overline{AB}$.

34. Find AB to the nearest tenth.

***M* is the midpoint of $\overline{JK}$. Find the coordinates of *K*.**

35. $J(-8, 4)$, $M(-1, 1)$