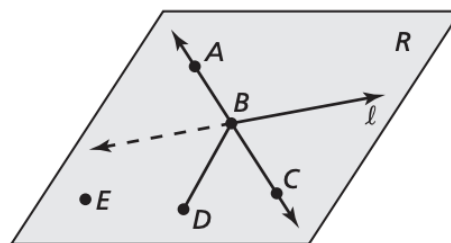


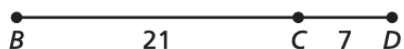
Use the diagram.



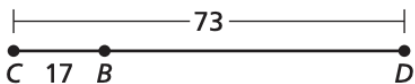
1. Give two names for the plane.
2. Name three collinear points.
3. Name three coplanar points.
4. Name three points.
6. Name two lines.

5. Name one ray.
7. Name one line segment.

8. Find BD .

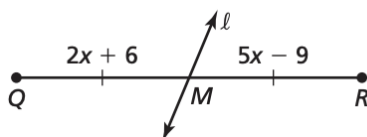


Show your thinking.



9.

Identify the segment bisector of \overline{QR} . Then find QR .



10.

The endpoints of \overline{QR} are $Q(1, 6)$ and $R(-7, 3)$. Find the coordinates of the midpoint M .

11.

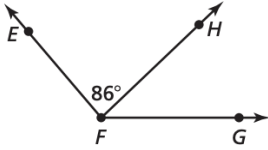
Find the distance between the two points $S(-5, -2)$ and $T(-3, 4)$.

Find the indicated angle measure.

Show your thinking.

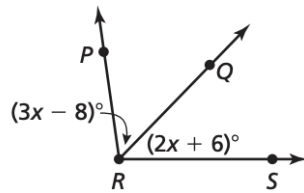
12.

$m\angle EFG = 130^\circ$. Find $m\angle HFG$.



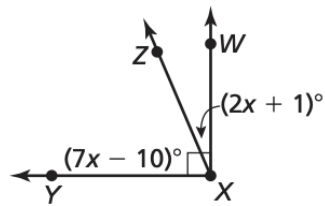
13.

$m\angle PRS = 98^\circ$. Find $m\angle QRS$.



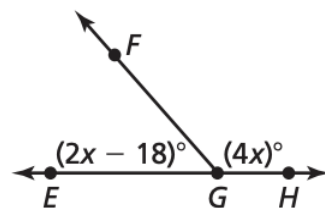
14.

Find $m\angle WXZ$.



15.

Find x .



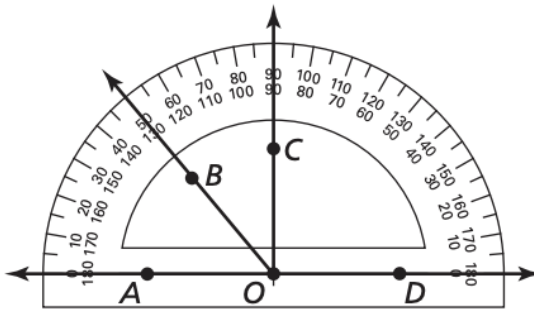
Find the measure. Then classify the angle as acute, obtuse, right, or straight.
16.

$m\angle AOB$

$m\angle COD$

$m\angle BOD$

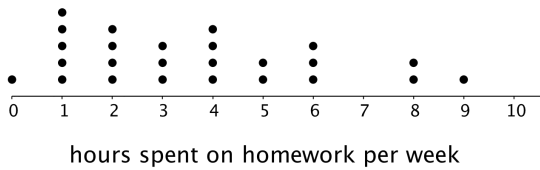
$m\angle AOD$



17. Solve for y : $2x + 6y = 18$

18. Find the intercepts: $3y = 6x - 12$

19. Describe the distribution using SOCS.



20. Solve the system of equations.

$$x = 3y - 2$$

$$2x + 5y = 18$$