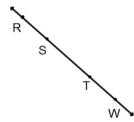
Use the diagram below for questions 1-4.



1. Name all labeled segments.

3. Name a pair of opposite rays with T as the endpoint.



4. Name another pair of opposite rays that do not start at T.



Fill in the blank with always, sometimes, or never.

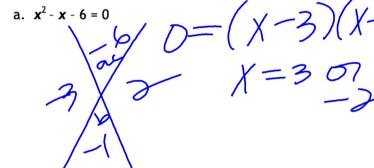
- 8. \overrightarrow{AB} and \overrightarrow{BA} are \overrightarrow{AB} are \overrightarrow{BA} are \overrightarrow
- 9. \overrightarrow{JK} and \overrightarrow{JL} are $\overrightarrow{JUV-UV}$ the same ray.
- 10. \overline{AB} and \overline{BA} are \overline{AB} are segment.
- 11. \overline{AB} and \overline{AB} are $\underline{\underline{AB}}$ me part of a line.

5. Draw a line segment with endpoints D and L.



7. True or False: Opposite rays always form a line.

9. **REVIEW** Solve each quadratic equation for x.

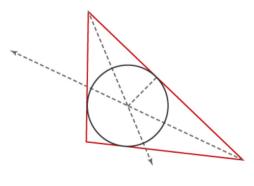


b. $x^{2} + 5x = -2x - 12$ +3x + 3 - 2x $x^{2} + 7x + 12 = 0$ (x + 4)(x + 3) = 0 (x + 4)(x + 3) = 0 (x + 4)(x + 3) = 0(x + 4)(x + 3) = 0

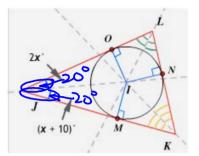
11. REINFORCE Draw an acute triangle and construct the inscribed circle. Explain your construction method.

Student answers may vary. Sample answer:

Use Patty Paper to fold the angle bisectors of two angles of the triangle. The point of intersection is the center of the inscribed circle. Fold the Patty Paper so that the crease passes through the center of the inscribed circle and one side of the triangle is folded onto itself. This constructs a perpendicular line from the center to a side of the triangle. That distance is the radius of the inscribed circle.



10. **REINFORCE** In the diagram, the circle is inscribed in Δ JKL. Find the value of x given the angle measurements shown on the diagram.



Ray JI is the angle bisector of \angle J. 2x = x + 10

x = 10

1. Write a definition of each of the following terms. [EX3, page 1]

a. Midpoint

a point on the
line segment that
IS equidistant from
each endpt.

divides into two =
segments

a line, ray, segment that intersects another line at a rt Z.

divides the segment into two equal rts. b. Perpendicular bisector

3. What does the small square in the diagram above indicate? [EX3, page 1]

a 90° (right)

2. Consider the diagram shown. Name the perpendicular bisector and the segment it bisects. [EX3, page 1]

EF 618ects