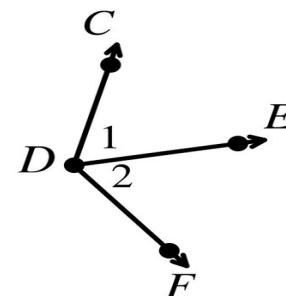


Name: _____

In Exercises 1-2, use the top diagram.

1. Name $\angle 1$ in two other ways.
2. Name the vertex and the sides of $\angle 2$.

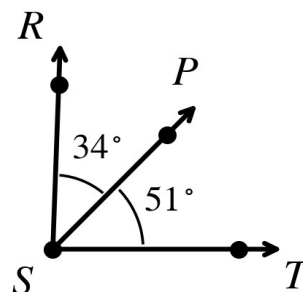


Classify each angle measure as acute, right, obtuse, or straight.

3. a) 37° b) 90° c) 118° d) 180°

In Exercises 4, use the second diagram.

4. Find $m\angle RST$.



Solve each problem.

5. $m\angle JKL = 145^\circ$ and $m\angle JKM = 82^\circ$. Find $m\angle MKL$.
6. $\angle AVB$ is a straight angle. Find x , then find both angle measures. (third diagram)
7. $\angle GHJ$ is a right angle. Find x , then find both angle measures. (bottom diagram)
8. Ray KM bisects $\angle JKL$ and $m\angle JKM = 47^\circ$. Find $m\angle JKL$.
9. Ray QS bisects $\angle PQR$. $m\angle PQS = (5x - 3)^\circ$ and $m\angle SQR = (3x + 13)^\circ$. Find x and $m\angle PQR$.
10. Ray BD bisects $\angle ABC$. $m\angle ABD = (4y + 1)^\circ$ and $m\angle ABC = (10y - 6)^\circ$. Find $m\angle ABC$.

