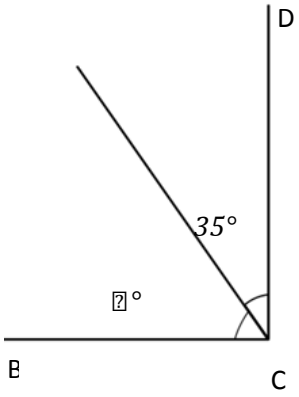
Name _____ Date _____

Write an equation and solve for the measurement of $\angle x$. Verify the measurement using a protractor.

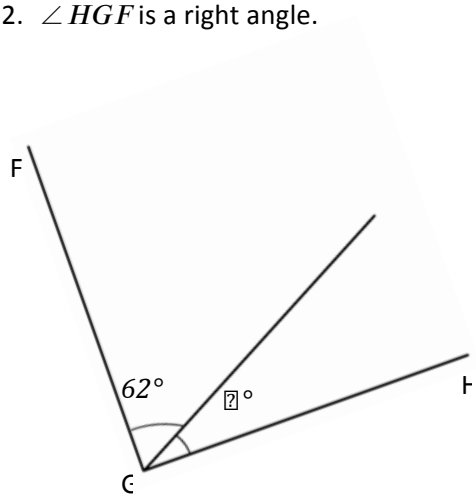
1. $\angle DCB$ is a right angle.



_____ + 35° = 90°

° = _____

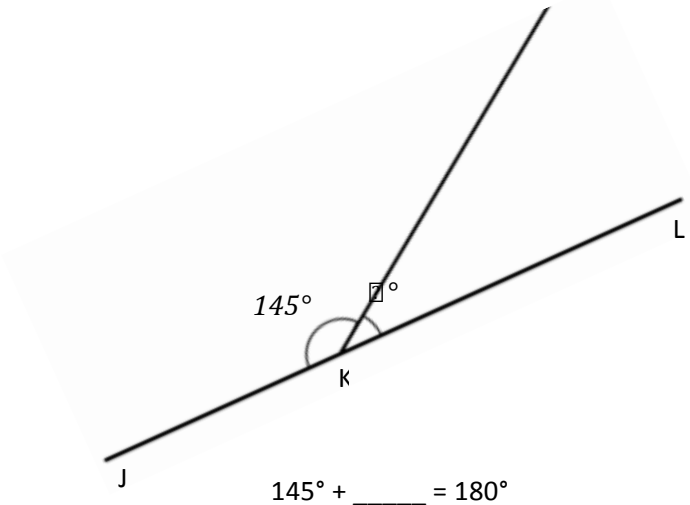
2. $\angle HGF$ is a right angle.



_____ + _____ = _____

° = _____

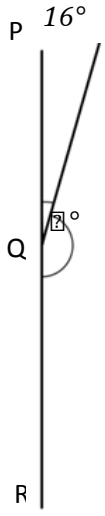
3. $\angle JKL$ is a straight angle.



145° + _____ = 180°

° = _____

4. $\angle PQR$ is a straight angle.



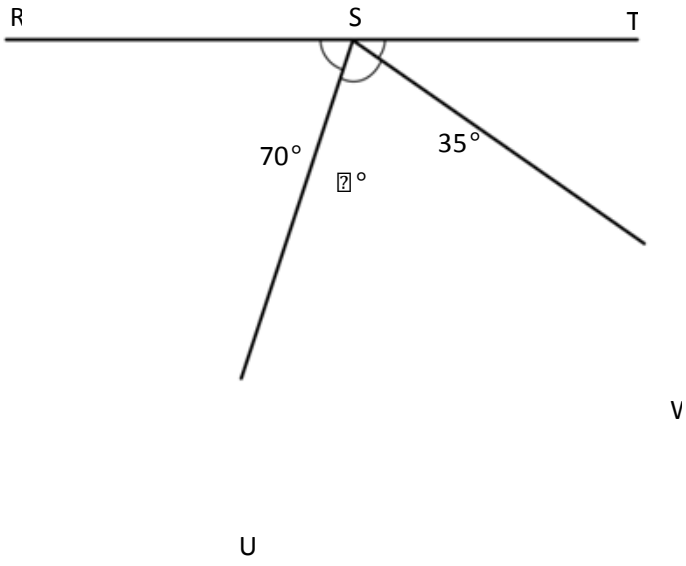
_____ + _____ = _____

° = _____

Write an equation and solve for the unknown angle measurements.

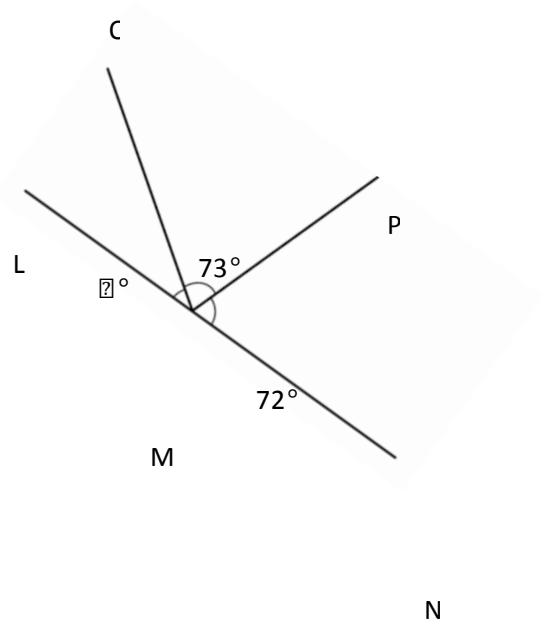
5. Solve for the measurement of $\angle USW$.

   $\angle RST$ is a straight angle.

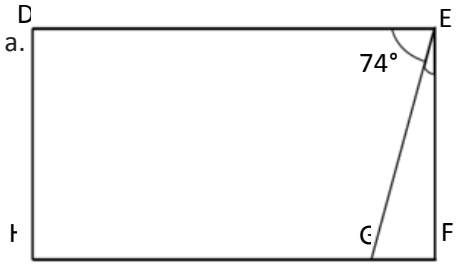


6. Solve for the measurement of $\angle OML$.

   $\angle LMN$ is a straight angle.



7. In the following figure, $DEFH$ is a rectangle. Without using a protractor, determine the measurement of $\angle GEF$. Write an equation that could be used to solve the problem.



8. Complete the following directions in the space to the right.

   a. Draw 2 points: □ and □. Using a straightedge, draw □□.
   b. Plot a point S somewhere between points □ and □.
   c. Plot a point □, which is not on □□.
   d. Draw □□.
   e. Find the measure of □□□□ and □□□□.
   f. Write an equation to show that the angles add to the measure of a straight angle.