LESSON 1.5 WORKSHEET

Problem 1:

Given that \( \angle 1 \) is a complement of \( \angle 2 \) and \( m \angle 1 = 30^\circ \), find \( m \angle 2 \).

\[ m \angle 2 = \text{_____}^\circ \]

Problem 2:

Given that \( \angle 1 \) is a complement of \( \angle 2 \) and \( m \angle 1 = 28^\circ \), find \( m \angle 2 \).

\[ m \angle 2 = \text{_____}^\circ \]

Problem 3:

Given that \( \angle 1 \) is a complement of \( \angle 2 \) and \( m \angle 1 = 61^\circ \), find \( m \angle 2 \).

\[ m \angle 2 = \text{_____}^\circ \]

Problem 4:

Given that \( \angle 1 \) is a supplement of \( \angle 2 \) and \( m \angle 1 = 34^\circ \), find \( m \angle 2 \).

\[ m \angle 2 \text{ is } \text{_____}^\circ \]

Problem 5:

Given that \( \angle 1 \) is a supplement of \( \angle 2 \) and \( m \angle 1 = 23^\circ \), find \( m \angle 2 \).

\[ m \angle 2 \text{ is } \text{_____}^\circ \]

Problem 6:

Given that \( \angle 1 \) is a supplement of \( \angle 2 \) and \( m \angle 1 = 37^\circ \), find \( m \angle 2 \).

\[ m \angle 2 \text{ is } \text{_____}^\circ \]
Problem 7:

Find $\angle m_{DEG}$ and $\angle m_{GEF}$.

Problem 8:

Find $m\angle_{DEG}$ and $m\angle_{GEF}$.

Problem 9:

Find $m\angle_{DEG}$ and $m\angle_{GEF}$. 
Problem 10:

\( \angle A \) and \( \angle B \) are supplementary. Find \( m \angle A \) and \( m \angle B \).

\( m \angle A = (3x + 74)^\circ \)

\( m \angle B = (x + 24)^\circ \)

Problem 11:

\( \angle A \) and \( \angle B \) are supplementary. Find \( m \angle A \) and \( m \angle B \).

\( m \angle A = (3x + 62)^\circ \)

\( m \angle B = (x + 12)^\circ \)

Problem 12:

Find \( m \angle 8 \) in degrees.
Problem 13:
For the lounge chair in the figure, $\angle 1$ and $\angle 2$ are supplementary. If $m\angle 1 = 123^\circ$, find $m\angle 2$ in degrees.

Problem 14:
$\angle X$ and $\angle Y$ are complementary. If $m\angle X = 18^\circ$, what is $m\angle Y$ in degrees?

Problem 15:
Find $m\angle 5$ in degrees.