```python
# Sample list of numbers
numbers = [-10, 5, -3, 8, 12, -6]

# Calculate absolute values
absolute_values = [abs(num) for num in numbers]

# Find minimum and maximum absolute values
min_value = min(absolute_values)
max_value = max(absolute_values)

# Print original numbers and their absolute values
print("Original numbers:", numbers)
print("Absolute values:", absolute_values)

# Print the minimum and maximum absolute values
print("Minimum absolute value:", min_value)
print("Maximum absolute value:", max_value)

# Calculate absolute differences between each number and the maximum
abs_differences = [abs(num - max_value) for num in numbers]

# Print the absolute differences
print("Absolute differences from maximum value:", abs_differences)

# Find and print the overall minimum and maximum from the original list
overall_min = min(numbers)
overall_max = max(numbers)
print("Overall minimum value in original list:", overall_min)
print("Overall maximum value in original list:", overall_max)
```