13) Hi this is Sachin! I am a Student Success Coach and will be explaining some practice problems from the MA001 Algebra course. Today we will review an assigned problem from Unit 1. In the “Homework Assessment” you were asked to solve this problem

\[ [-1 - (-5)]|3 + 2| \]

We will use the “order of operations” principles to simplify the operation.

We will approach this problem as follows:

1. Simplify the bracket.
2. Simplify the absolute term.
3. Eliminate the bracket and absolute term, and perform arithmetic operations as per the order of operations.

**Step 1:** Simplify the bracket:

a) Multiplication of negative with a negative number is a positive number.

\[ \rightarrow -(-5) = +5 \]

Therefore, the term inside the bracket becomes

\[ \rightarrow [-1 + 5] \]

b) Perform the addition. To add two numbers with different signs, subtract the smaller number from the larger number and attach the sign of the larger number to the result.

\[ \rightarrow [-1 + 5] = [4] \]

**Step 2:** Simplify the absolute term:

Perform the addition.

\[ |3 + 2| = |5| \]

Thus, the expression becomes

\[ \rightarrow [4]|5| \]

**Step 3:** Eliminate bracket and absolute term, and perform multiplication.

Absolute value of any number is always positive; therefore,
\[ 4 \cdot 5 = 20 \]

**Conclusion:**

By using the order of operation, the solution for the given expression

\[ [-1 - (-5)]|3 + 2| \] is 20.

Please let me know if you have any question on this problem, or ‘Order of Operations’ generally. I will be here in the forum for the next hour.