



STUDENT _____ GROUP _____

INSTRUCTOR _____ DATE _____

Math Lab Lesson #1 Group Activity:

Review of Numbers and Operations

Use the clues in the problems below to find the value of:

$$\frac{A(B + C) - D}{-(E - F)}$$

★ **Clue #1:** This is the decimal expansion of a **three-digit natural number**:

$$1 \times 10^4 + A \times 10^1 + 5 \times 10^0$$

Also, when this natural number is divided by 25, the result is B



★ Clue #2:

$$3 - 11 = -11 + C$$

Also:

$$C(x - 4) = Cx - 2D$$

★ Clue #3: All of the steps below are correct:

$$\begin{array}{l} \text{Step 1} \left(\begin{array}{l} -2A(E - B) \\ \rightarrow = -2AE + 2AB \end{array} \right. \\ \text{Step 2} \left(\begin{array}{l} \rightarrow = -2AE + 20 \end{array} \right. \\ \text{Step 3} \left(\begin{array}{l} \rightarrow = -12 \end{array} \right. \end{array}$$

Also:

$$F + 400 = 4 \times 10^2 + 1 \times 10^1 + 8 \times 10^0$$