Lesson 3.1.1 – REVIEW & PREVIEW

• 3-4.

For each \( x \rightarrow y \) table given, find the pattern and fill in the missing entries. Then write the rule for the pattern in words.

\[
\begin{array}{|c|c|}
\hline
\text{IN (x)} & \text{OUT (y)} \\
\hline
& 23 \\
2 & 8 \\
-2 & -4 \\
8 & 26 \\
0 & \\
& 302 \\
1.5 & \\
\hline
\end{array}
\]

\[
\begin{array}{|c|c|}
\hline
\text{IN (x)} & \text{OUT (y)} \\
\hline
2 & 5 \\
9 & \\
-2 & -5 \\
-7.5 & \\
0 & 27.5 \\
-4 & -10 \\
\hline
\end{array}
\]

RULE: ___________________________ RULE: ___________________________

• 3-6.

Ms. Nguyen needs to separate $385 into three parts to pay some debts. The second part must be five times as large as the first part. The third part must be $35 more than the first part. How much money must be in each part?

Describe:

Define __________________ Do __________________ Decide __________________

Declare:
Lesson 3.1.1 – REVIEW & PREVIEW

- **3-7.**

  On your paper, write the equation represented on the Equation Mat to the right. Simplify as much as possible and then solve for $x$.

- **3-8. GO GOLDEN GOPHERS!**

  The graph at the right describes the distance two cars have traveled after leaving a football game at the University of Minnesota.

  a) Which car was traveling faster? How can you tell?

  b) The lines cross at (2, 80). What does this point represent?

  c) Assuming that Car A continued to travel at a constant rate, how far did Car A travel in the first 4 hours?