Lesson 3.1.4 – REVIEW & PREVIEW

• 3-37.

Complete a table for the rule \( y = x + 2 \).

<table>
<thead>
<tr>
<th>IN (x)</th>
<th>-4</th>
<th>-3</th>
<th>-2</th>
<th>-1</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUT (y)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Plot and connect the points on graph paper. Be sure to label the axes and include the scale.

• 3-38.

For the following equations, draw a picture of the tiles on an Equation Mat like the one shown at right. Then use “legal” moves to simplify and solve for the variable. **Record your work.**

a) \(-2 + x = -x + 2\)  
b) \(2 + 3x = x + 7\)
Lesson 3.1.4 – REVIEW & PREVIEW

• 3-39.

Evaluate each equation below.

a) \( y = 5 + 8x \) when \( x = 4 \)  
b) \( a = 3 - 5c \) when \( c = -0.5 \)

c) \( n = 2d^2 - 5 \) when \( d = -2 \)  
d) \( v = -3(r - 3) \) when \( r = -1 \)

• 3-41.

At the annual dog show, Chantel noticed that there were three more Scotties than Schnauzers. She also realized that the number of Wirehaired Terriers was five less than twice the number of Schnauzers. If there were 78 dogs in all (counting Schnauzers, Scotties, and Wirehaired Terriers), how many Schnauzers were there? Write and solve an equation.

Describe:

<table>
<thead>
<tr>
<th>Define</th>
<th>Do</th>
<th>Decide</th>
</tr>
</thead>
</table>

Declare: