Name ____________________________________________ Date __________________________

1. Solve.
   a. \(9 - (6 + 3) = \) ______
   b. \((9 - 6) + 3 = \) ______
   c. \(\) ______ = \(14 - (4 + 2)\)
   d. \(\) ______ = \((14 - 4) + 2\)
   e. \(\) ______ = \((4 + 3) \times 6\)
   f. \(\) ______ = \(4 + (3 \times 6)\)
   g. \((18 ÷ 3) + 6 = \) ______
   h. \(18 ÷ (3 + 6) = \) ______

2. Use parentheses to make the equations true.
   a. \(14 - 8 + 2 = 4\)
   b. \(14 - 8 + 2 = 8\)
   c. \(2 + 4 \times 7 = 30\)
   d. \(2 + 4 \times 7 = 42\)
   e. \(5 = 50 ÷ 5 \times 2\)
   f. \(20 = 50 ÷ 5 \times 2\)
   g. \(12 = 18 ÷ 3 \times 2\)
   h. \(3 = 18 ÷ 3 \times 2\)
3. Determine if the equation is true or false.

<table>
<thead>
<tr>
<th>a. $(15 - 3) ÷ 2 = 6$</th>
<th>Example: True</th>
</tr>
</thead>
<tbody>
<tr>
<td>b. $(10 - 7) × 6 = 18$</td>
<td></td>
</tr>
<tr>
<td>c. $(35 - 7) ÷ 4 = 8$</td>
<td></td>
</tr>
<tr>
<td>d. $28 = 4 × (20 - 13)$</td>
<td></td>
</tr>
<tr>
<td>e. $35 = (22 - 8) ÷ 5$</td>
<td></td>
</tr>
</tbody>
</table>

4. Jerome finds that $(3 × 6) ÷ 2$ and $18 ÷ 2$ are equal. Explain why this is true.

5. Place parentheses in the equation below so that you solve by finding the difference between $28$ and $3$. Find the answer.

\[
4 × 7 - 3 =
\]

6. Johnny says that the answer to $2 × 6 ÷ 3$ is $4$ no matter where the parentheses are. Do you agree? Place parentheses around different numbers to show his thinking.