

Beginning in the cell marked #1, work the problem and then hunt for the answer in one of the remaining cells. When you find it, mark that problem #2. Work that problem and then hunt for your answer. Proceed in this manner until you complete the circuit. You must write in the final answer. You must show all the steps to solve the equation/inequality to get a grade for the circuit. Answers with no work earns no credit.

<p>Answer: <math>-4 &lt; x</math></p> <p>#1 <math>4x - 12 = 15 + 5x</math></p>	<p>Answer: <math>6 &gt; x</math></p> <p># _____ <math>-3x - 5 + 2x &gt; 4x - 8</math></p> <p>Be sure to draw the graph (number line) to show the solution.</p>
<p>Answer: <math>x \leq -2</math></p> <p># _____ <math>5x - 5 - 4x &lt; 7 - x</math></p> <p>Be sure to draw the graph (number line) to show the solution.</p>	<p>Answer: <math>x = -27</math></p> <p># _____ <math>x - 3 = 72 - 4x</math></p>
<p>Answer: <math>x \leq 2</math></p> <p># _____ <math>8x - 12 &lt; 15x - 4x</math></p> <p>Be sure to draw the graph (number line) to show the solution.</p>	<p>Answer: <math>x = \frac{3}{4}</math></p> <p># _____ <math>2x + 4 + 3x \leq 4x + 2</math></p> <p>Be sure to draw the graph (number line) to show the solution.</p>

Answer:  $x = 15$

# \_\_\_\_\_  $5x - 3 = 7x + 7 - 3x$

Answer:  $x > \frac{3}{5}$

# \_\_\_\_\_  $5x - 4 + 6 - 7x < 3 + 6x$

Be sure to draw the graph (number line) to show the solution.

Answer:  $x = \frac{3}{2}$

# \_\_\_\_\_  $7x - 6x + 5 \geq -1 + 4x$

Answer:  $x = \frac{6}{7}$

# \_\_\_\_\_  $13x - 5 = 17x - 8$

Answer:  $x = 10$

# \_\_\_\_\_  $7 - 2x = 5x + 1$

Answer:  $-\frac{1}{8} < x$

# \_\_\_\_\_  $3x + x - 2 = -x + 7 - x$

Be sure to draw the graph (number line) to show the solution.