Practice with Inequalities **Date**_____

1. How do you solve a 2-step inequality?_____

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2. How many solutions does an inequality have?_____

3. Describe the difference between the graphs of $x > 3$ and $x \leq 3$._____

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4. What does the graph of $5 \geq x$ look like?_____

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5. Solve and check $-2x > 6$.

6. What happens when you multiply or divide each side of an inequality by a negative number?_____

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Solve and graph each inequality.

1. $-2x - 5 < 10$

2. $\frac{x}{3} + 4 \geq -16$

3. $-\frac{2}{3}x - 6 > -12$

4. $-5x - 20 \leq -35$

5. $10 - 8x < 13$

6. $5x + 4 - 7x > -24$

7. $3(x + 6) > 15$

8. $2(x - 6) \leq 4(x + 1)$