TEST NAME: **Inequalities Review #2**
TEST ID: **3149414**
GRADE: **07 - Seventh Grade**
SUBJECT: **Mathematics**
TEST CATEGORY: **School Assessment**

Student: _____

Class: _____

Date: _____

1. **If $7 - 2x \geq 15$, what is the solution for x?**

   A. $x \geq 10$

   B. $x \geq -4$

   C. $x \leq 10$

   D. $x \leq -4$

2. **What are all possible values of x if $\frac{x}{5} + 6 > 21$?**

   A. $x > 3$

   B. $x > 75$

   C. $x > 99$

   D. $x > 135$

3. **What are all possible values of x when $4 - \frac{x}{2} > 10$?**

   A. $x < -28$

   B. $x > -28$

   C. $x < -12$

   D. $x > -12$

4. **What is the solution to the inequality $14y - 14 \geq 14$?**

   A. $y \geq -1$

   B. $y \geq 0$

   C. $y \geq 1$

   D. $y \geq 2$

5. **What are all possible values of x if $\frac{2x}{3} - 5 \geq 18$?**

   A. $x \geq \frac{26}{3}$

   B. $x \geq \frac{23}{2}$

   C. $x \geq \frac{46}{3}$

   D. $x \geq \frac{69}{2}$

6. **What is the solution to the inequality $-3x - 10 < 6$?**

   A. $x > -\dfrac{16}{3}$

   B. $x < -\dfrac{16}{3}$

   C. $x > -\dfrac{9}{10}$

   D. $x < -\dfrac{9}{10}$

7. **Which set of values will make the following inequality TRUE?**

   $$2n + 6 < -12$$

   A. $\{-2, -1, 0\}$

   B. $\{-8, -7, -6\}$

   C. $\{-15, -12, -9\}$

   D. $\{-12, -11, -10\}$

8. **Which list only contains numbers that are solutions to the inequality?**

   $$-a + \frac{1}{3} > \frac{1}{4}$$

   A. $1, 4, 7$

   B. $-9, -5, -1$

   C. $\dfrac{1}{3}, \dfrac{5}{6}, 2$

   D. $-1, 0, \dfrac{1}{10}$

9. What is the solution to the inequality $\frac{1}{3}x + 4 < 8$?

   A. $x <>$

   B. $x > 36$

   C. $x <>$

   D. $x > 12$