**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per.\_\_\_\_\_\_\_ Score:\_\_\_\_\_**

**U10 HW #2** *Solving Inequalities*

**Directions:** Solve each inequality. **SHOW ALL STEPS!!!**

1. Graph each solution on a number line.
2. Check your solution.

|  |  |
| --- | --- |
| 1. $8x+8x \leq 16$ | a) b) Verify: |
|  2. $5n-5n <0$ |  a) b) Verify: |
| 3. $-11\left(n+11\right)+6 \geq 10\left(n-2\right)-11$ | a) b) Verify: |
| 4. $5\left(8p+7\right)-6 <6\left(10+8p\right)-8p$ | a) b) Verify: |

|  |  |
| --- | --- |
| 5. $-\left(6-6v\right)+4 > -11(v+11)$ | a) b) Verify: |
| 6. $-4x-8x\geq -12\left(11+6x\right)-8(8x-1)$  | a) b) Verify: ,,c  |
| 7. $\frac{2}{3}x+\frac{15}{4}x <\frac{53}{12}$ | a) b) Verify: |
| 8 . $-\frac{5}{3}n+\frac{3}{4}+\frac{3}{2}n+\frac{1}{2}<-\frac{31}{12}\left(\frac{3}{4}n-1\right)+\frac{22}{5}\left(\frac{3}{2}n-\frac{7}{6}\right) $ \*\*\*\*TRY IT!\*\*\*\* |