Name_____ Class _____ Date_____

Interval Notation – <mark>REVIEW FOR QUIZ NEXT CLASS</mark>

<mark>**Write an inequality that represents the sentence. Solve the inequality and write the solution in interval notation.**</mark>

1. The sum of 10 and a number is less than or equal to 4.

2. The difference of a number and 10 is no more than the product of 5 and the same number.

<mark>**Solve each inequality. Graph the solution. Then, write the solution in interval notation.**</mark>

3. $2x - 13 \geq 25$ **4.** $8t + 4 \leq 4t$ **5.** $7v \leq -2v + 27$

<mark>**Solve each compound inequality. Graph the solution. Then, write the solution in interval notation.**</mark>

6. $3r > -9$ and $2r < 16$ **7.** $3z \geq -33$ and $6z < 3$

8. $7 + x \leq 21$ and $8 - x \leq 6$ **9.** $6x < -12$ or $8x > 48$