WORKSHEET 2-3 Name _____

MATH 107 – Intermediate Algebra

Absolute Value Inequalities Worksheet Section_____

For each absolute value inequality, write the inequality without the absolute value by using the appropriate property. State whether the solution set will be a single interval or a union of two intervals. Solve the inequality and write your answer in interval notation.

1. $|x - 2| > 3$

2. $|2x + 3| \geq 5$

3. $|5 - z| < 4$

4. $|3t - 5| \leq 2$

5. $|5 - 2x| \geq 7$

6. $|3y + 4| < 4$

7. $|k - 3| > 1$

8. $|2n + 1| \leq 9$

9. $|5 - 2r| \geq 7$

10. $|q + 5| \leq 3$

11. $|2m + 4| < 8$

12. $|p - 5| > 4$