

Alg2 – Solving Equations using Functions & Algebra, due Thursday 9/14

Solve the following equations by graphing two functions, and then verifying your solution using algebra. Draw your graphs and show all the steps verifying your solution. You may need to scale your graphs.

1. $|x + 3| = 3$

2. $|x - 3| = 2$

3. $|x - 6| = 8$

4. $3|x + 6| = 8$

5. $\left|\frac{x}{2}\right| = 5$