ALG III 8/28/17   Name:_____

HW Solving Absolute Value Equations

Solve.

1. $|x| = 12$ 2. $|y - 3| = 9$

3. $|2x - 1| = -11$ 4. $\left|\dfrac{1}{2}x + 3\right| = 2$

5. $|x + 4| + 1 = 2$ 6. $2|x + 3| + 5 = 7$

7. $|x| > 6$

8. $|x + 2| \leq 5$

9. $|3x - 5| > 9$

10. $|10x + 7| + 3 < 1$

11. $|k - 4| + 5 \geq 4$

12. $|5 - 6x| > 12$