

Assignment#8 Solving Absolute Value Equations**Due June 11\20**

Solve the following absolute value equations algebraically. All answers must be verified. Show all work. Please put a box around the final solution(s).

1. $|-3x + 6| = 12$

2. $6 + |5x - 6| = 10$

3. $x^2 - 8x + 15 = |x - 5|$

4. $|x^2 + x - 9| = 3$

5. $|3x^2 - 12x| - x = 10$