

PreAP Precalculus
Solving Absolute Value Inequalities
Fall 2018

Name _____

Date _____ Per _____

Please show all of your work on a separate piece of paper - neatly - and attach to the back of this paper when you turn it in.

1. $|3x - 2| < 19$

2. $|2 - 5x| - 8 > 17$

3. $|5(2 - 3x) + 18| + 20 \geq 18$

4. $|2m - 3| < 9$

5. $|3x + 8| \geq 10$

6. $|3 - 2n| - 3 \leq 12$

7. $|4a - 9| + 2 > 9$

8. $3|4 - 3x| - 2 \leq 18$

9. $\frac{2}{5}|3 - 2(2 - 5m)| + 10 < 4$

10. $\frac{3}{7}|2 - \frac{1}{2}(3 - 5x)| < 8$

11. $|3x - 8| - 17 > -25$

12. $|x + 2| \leq 2x + 7$

13. $|x^2 + x - 4| \leq 2$

14. $|x^2 + 3x - 4| > 6$

1. _____

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