

Pre-AP Algebra II**Assignment #13 (Test #6 Review)**

[+7 points if completed by Thursday 10/17/19]

Name: _____

Period: _____

Directions: Graph the following functions. State the domain and range of each function in set and interval notation. Verbally describe the transformations of each graph from its parent function.

[Notes #38]

1. $f(x) = 2|x - 3|$

2. $f(x) = \left|\frac{1}{3}x\right| - 7$

3. $f(x) = 3\left|\frac{1}{2}x - 3\right| + 1$

4. $f(x) = -2\left|\frac{1}{3}x - 1\right| + 8$

5. $f(x) = -3|-2x + 2| + 5$

6. $f(x) = 2x^2 - 9$

7. $f(x) = (2x + 6)^2 - 3$

8. $f(x) = \frac{1}{4}(-x + 3)^2 - 4$

9. $f(x) = -2\left(\frac{1}{3}x - 2\right)^2 + 1$

10. $f(x) = -\frac{3}{2}(-x + 7)^2 + 8$

