

Pre-AP Algebra II
Assignment #29
[Due Monday 1/27/20]

Name: _____
Period: _____

Directions: Graph the following functions and inequalities.
[Notes #90, #93-94]

1. $f(x) = \sqrt{x-5} + 1$

2. $f(x) = 2\sqrt{x-5} + 1$

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

4. $f(x) = \sqrt{2x-4} + 1$

5. $y > \sqrt{x-5} + 1$

6. $y \leq -2\sqrt{x-1} + 1$

7. $f(x) = (x-5)^3 + 1$

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

9. $f(x) = -(x-2)^3 + 1$

10. $f(x) = 2(x-4)^3 - 7$

11. $y > -(x+7)^3 + 2$

12. $y < -\frac{1}{2}(x-3)^3 + 1$

13. $f(x) = \sqrt[3]{x-5} + 1$

14. $f(x) = -\sqrt[3]{x+3} - 1$

15. $f(x) = 3\sqrt[3]{x-2}$

16. $f(x) = -2\sqrt[3]{x-2} + 1$

17. $y > -\frac{1}{2}\sqrt[3]{x-1} + 1$

18. $y \leq 4\sqrt[3]{x} + 1$



