



Chapter 3

Worksheet 3A

Name _____

Period _____

Directions: On a separate sheet of graph paper sketch each function. Make sure you number and label each graph. Plot at least 2 points for accuracy.

1. $y = x^2 + 5$

2. $y = \sqrt{x} - 4$

3. $y = \sqrt{x+1} + 5$

4. $y = (x - 1)^2 + 4$

5. $y = x^3 + 5$

6. $y = |x - 3| + 5$

7. $y = |x| - 3$

8. $y = -\sqrt{x}$

9. $y = [x] + 2$

10. $y = -(x + 2)^2$

11. $y = \frac{1}{x} + 2$

12. $y = -|x| + 2$

13. $y = (x - 3)^2$

14. $y = -2|x|$

15. $y = \sqrt{x} - 4$

16. $y = 3x^2$

17. $y = (x + 1)^3$

18. $y = 2 - x$

19. $y = |x - 4|$

20. $y = -(x + 1)^2 + 3$

21. $y = [x + 2]$

22. $y = -\sqrt{x+3}$