

Kerry Ojakian's MTH 28.5 Class
Class Assignment #30

Solve the following equations.

1. $\sqrt{5x - 6} = 8$

2. $\sqrt[3]{4x - 1} = 3$

3. $\sqrt{3x - 2} = 5$

4. $\sqrt{x + 3} = -5$

5. $\sqrt{2x - 5} = 7$

6. $\sqrt[3]{2x + 1} = 1$

7. $\sqrt{x + 5} + 10 = -1$

8. $\sqrt{6x + 1} + 4 = 8$

Solve the following equations.

9. $\sqrt{x + 10} + 2 = x$

10. $\sqrt{x - 6} = x - 6$

11. $\sqrt{x + 4} = x - 2$

12. $\sqrt{x + 1} = x - 1$

13. $\sqrt{x + 25} - x = -5$

14. $\sqrt{x + 3} + x = 9$

15. $\sqrt{2x + 6} - x + 1 = 0$

Solve the following equations.

16. $\sqrt{3x+7} = \sqrt{5x+1}$

17. $\sqrt[3]{8x-5} = \sqrt[3]{3x+5}$

18. $\sqrt{x+1} = \sqrt{x-1}$

19. $\sqrt{x} + 2 = \sqrt{x+4}$

20. $\sqrt{2x+1} = 1 + \sqrt{x}$

21. $\sqrt{2x-1} - \sqrt{x-1} = 1$