

Math 1513 - College Algebra

Week 3 Discussion Board Questions

Solve the following equations, DO NOT use decimal approximations. Also, please state whether the solutions you find are rational, irrational or nonreal complex.

1. $x^2 - 2x + 3 = 0$

2. $4x^2 - 12x + 9 = 0$

3. $4x^2 - 12x - 9 = 0$

4. $-3x^2 + 2x + 5 = 0$

5. $4x^2 + 20x + 25 = 0$

6. $-3x^2 + 2x + 5 = 0$

7. $-2x^2 + 3x + 3 = 0$

8. $6x^2 - 5x + 1 = 0$

9. $-6x^2 + 5x + 1 = 0$

10. $2x^2 - x + 4 = 0$

11. $3x^2 + x - 5 = 0$

12. $3x^2 + 3x + 3 = 0$

13. $4x^2 + 7x - 1 = 0$

14. $6x^2 - 6x + 2 = 0$

15. $12x^2 - x + 1 = 0$

16. $-7x^2 + 3x - 5 = 0$

17. $-5x^2 + 7x - 9 = 0$

18. $4x^2 - 4x + 2 = 0$

19. $-3x^2 + 5x - 7 = 0$

20. $20x^2 + x - 2 = 0$

21. $x^2 + 2x - 20 = 0$

22. $2x^2 + 5x - 6 = 0$

23. $10x^2 + 10x - 11 = 0$

24. $9x^2 + 7x - 5 = 0$

25. $6x^2 + 3x - 7 = 0$