

Math 1513 - College Algebra

Discussion Board Week 4 - Due 2011.02.05

Solve each of the following quadratic equations. State if your solution is rational, irrational or complex. Do not approximate using decimals!

1. $13a^2 + 2a - 6 = 0$

2. $12b^2 + b - 11 = 0$

3. $4c^2 + 14c + 3 = 0$

4. $5d^2 - 6d + 17 = 0$

5. $-6e^2 + 12e - 9 = 0$

6. $-8f^2 + 4f + 12 = 0$

7. $7g^2 + 12g - 4 = 0$

8. $h^2 + 13h - 27 = 0$

9. $3i^2 - 4i + 16 = 0$

10. $14j^2 + 3j - 7 = 0$

11. $-5k^2 + 4k + 13 = 0$

12. $10l^2 - 9l - 8 = 0$

13. $11m^2 + 12m - 3 = 0$

14. $-6n^2 - 7n + 21 = 0$

15. $-6p^2 - 7p - 23 = 0$

16. $-12q^2 - 13q - 5 = 0$

17. $-7r^2 + 14r + 5 = 0$

18. $17s^2 + s - 17 = 0$

19. $-t^2 + 17t + 1 = 0$

20. $19u^2 + 9u - 3 = 0$

21. $8v^2 - 7v + 3 = 0$

22. $19w^2 + 5w + 7 = 0$

23. $-8x^2 + 16x + 32 = 0$

24. $16y^2 - 32y - 64 = 0$

25. $12z^2 + 144z - 5 = 0$

26. $21a^2 + 7a + 3 = 0$

27. $22b^2 - 11b + 12 = 0$

28. $31c^2 + c + 13 = 0$

29. $11d^2 + 10d - 9 = 0$

30. $-5e^2 + 15e + 13 = 0$

31. $7f^2 - 11f + 13 = 0$

32. $14g^2 - 15g + 16 = 0$

33. $-12h^2 - 10h + 2 = 0$