Find the numerical values corresponding to a, b and c of the general quadratic equation $ax^2 + bx + c = 0$ for each of the following quadratic equations:

1. $6x^2 + 9x + 5 = 0$
2. $x^2 - 3x + 7 = 0$
3. $10x^2 - x - 6 = 0$
4. $9x^2 + 11x - 2 = 0$
5. $x^2 - 4x - 9 = 0$
6. $4x^2 + 6x - 5 = 0$

Solve by formula and check:

1. $x^2 + 6x + 5 = 0$
2. $x^2 + 9x + 20 = 0$
3. $x^2 + 12x + 35 = 0$
4. $x^2 - 9x + 8 = 0$
5. $x^2 - 8x + 15 = 0$
6. $x^2 - 12x + 27 = 0$
7. $x^2 + 2x - 3 = 0$
8. $x^2 + 4x - 12 = 0$
9. $x^2 + 5x - 14 = 0$
10. $x^2 - 3x - 4 = 0$
11. $x^2 - 9x - 36 = 0$
12. $x^2 - 4x - 12 = 0$
13. $2x^2 + 3x - 20 = 0$
14. $3x^2 + 5x + 2 = 0$
15. $6x^2 - 13x + 6 = 0$
16. $2x^2 - x - 6 = 0$
17. $6x^2 - 17x + 12 = 0$
18. $4x^2 + 4x - 8 = 0$
19. $x^2 + 8x = -12$
20. $6x^2 - 13x = 5$
21. $3x^2 + 6x = 24$
22. $x^2 + 10x + 25 = 0$
23. $x^2 - 14x + 49 = 0$
24. $x^2 - 8x + 16 = 0$
25. $x^2 - 4x = 0$
26. $2x^2 - 7x = 0$

(Continued):

27. $6x^2 + 5x = 0$

28. $x^2 - 49 = 0$

29. $4x^2 - 1 = 0$

30. $16x^2 - 9 = 0$

31. $2x^2 - 3x + 6 = x^2 + 2x$

32. $x^2 - 3(x + 7) = x$

33. $(x + 2)^2 = 2(5x - 2)$

34. $x^2 - 6 = 0$

35. $2x^2 - 14 = 0$

36. $4x^2 - 40 = 0$

37. $x^2 - 12 = 0$

38. $3x^2 - 60 = 0$

39. $2x^2 - 36 = 0$

40. $4x^2 - 5 = 0$

41. $5x^2 - 9 = 0$

42. $8x^2 - 3 = 0$

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

44. $2x^2 + 9x + 3 = 0$

45. $4x^2 + x - 1 = 0$

46. $x^2 + 7x + 1 = 0$

47. $5x^2 + 5x - 1 = 0$

48. $2x^2 + 7x - 13 = 0$

49. $x^2 + 3x - 9 = 0$

50. $3x^2 - 6x + 1 = 0$

51. $4x^2 + 2x - 3 = 0$

52. $\frac{x^2}{2} + \frac{3x}{4} = 11$

53. $\frac{x}{4} + \frac{1}{2} = \frac{2}{x}$

54. $\frac{x}{2x - 1} = \frac{2x + 3}{15}$

Solve by formula and check. Find roots correct to nearest hundredth:

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

2. $x^2 - 1.7x - .6 = 0$

3. $2x^2 + 5x + 1 = 0$

4. $.16x^2 + 1.6x - 12 = 0$

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

6. $.2x^2 - 1.75x + 1.2 = 0$

Solve using quadratic formula:

1. $t^2 - 9t + 20 = 0$
2. $r^2 + 9r - 10 = 0$
3. $x^2 + 10x - 2 = 0$
4. $y^2 + 6y - 1 = 0$
5. $2n^2 + 4n + 1 = 0$
6. $3p^2 - 7p - 3 = 0$
7. $t^2 - 2t - 5 = 0$
8. $r^2 + 4r + 1 = 0$
9. $3y^2 = 4y + 2$
10. $3s = 1 - 2s^2$
11. $5x^2 + 2x = 2$
12. $5y - 2 = 3y^2$
13. $5t^2 = 5t$
14. $3k^2 = 14$
15. $x^2 - 2x - 1 = 0$
16. $n^2 - 4n - 6 = 0$
17. $s^2 - 6s - 1 = 0$
18. $r^2 + 4r - 4 = 0$
19. $2y^2 + 4y + 1 = 0$
20. $t^2 + 12t - 9 = 0$
21. $3x^2 - 7x = 3$
22. $5z^2 - 8z = 2$
23. $x^2 + 6x + 7 = 0$
24. $3x^2 + 5x + 1 = 0$
25. $4x^2 + 7x + 2 = 0$
26. $2x^2 - 8x + 3 = 0$
27. $4x^2 - 6x + 1 = 0$
28. $2x^2 - 5x - 12 = 0$
29. $6x^2 + x - 35 = 0$
30. $x^2 + 4x = 3$
31. $x^2 + 6x = 4$
32. $x^2 = 2x + 1$
33. $x^2 = 11 - x$
34. $20x^2 - 17x = -3$

Solve using quadratic formula: (Continued)

35. $10x^2 - 17x = -3$

36. $3x^2 - x = 0$

37. $5x^2 - 17 = 0$

38. $2x^2 + 11x + 3 = 0$

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

40. $3x^2 - 14x - 5 = 0$

41. $5x^2 + 8x = 3$

42. $4x^2 + 12x + 7 = 0$

43. $x^2 + 5x + 6 = 0$

44. $y^2 - 7y + 6 = 0$

45. $2x^2 + 5x + 2 = 0$

46. $2y^2 - 7y + 3 = 0$

47. $4t^2 - 9t + 2 = 0$

48. $2w^2 + w = 1$

49. $3y^2 = 20 - 7y$

50. $12x^2 + 5x - 2 = 0$

51. $4a^2 = 3 - a$

52. $2x^2 - x = 10$

53. $4y^2 - 9y + 2 = 0$

54. $x^2 + 2x - 15 = 0$

55. $z^2 - 2z - 35 = 0$

56. $3y^2 - 7y + 2 = 0$

57. $2w^2 + 3w - 2 = 0$

58. $3x^2 - 2x - 5 = 0$

59. $5x^2 = x + 4$

60. $2x^2 = 15 - x$