

Solving Quadratic Equations using the Quadratic formula

Practice Questions

1. $q^2 + 8q + 7 = 0$

8. $u^2 + 10u + 4 = -5$

2. $p^2 + 9p + 18 = 0$

9. $-x^2 - 10x - 7 = 2$

3. $-4t^2 - 26t - 36 = 0$

10. $-2y^2 + 17y - 21 = 9$

4. $-v^2 - 10v - 9 = 0$

11. $-4m^2 - 26m - 6 = 30$

5. $a^2 - 13a - 30 = 0$

12. $2k^2 + 22k + 13 = -23$

6. $n^2 - 7n - 18 = 0$

13. $4z^2 + 2z = 42$

7. $l^2 - 14l + 40 = 0$

14. $e^2 = 90 - 2e$

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Practice Questions

1. -7 and -1
2. -6 and -3
3. $-9/2$ and -2
4. -9 and -1
5. -2 and 15
6. -2 and 9
7. 4 and 10
8. -9 and -1
9. -9 and -1
10. $+6$ and $+5/2$
11. $-9/2$ and -2
12. ~~$14/2$ and $1+1/2$~~ -9 and -2
13. $+3$ and $-7/2$
14. $-1 - \sqrt{91}$ and
 $-1 + \sqrt{91}$