

Algebra - Quadratic Equations 1

Solve the following equations, showing all working:

1. $2x + 5 = 0$

2. $10x + 5 = 8x + 3$

3. $(x + 4)(x - 3) = 0$

4. $(3x - 1)(x + 7) = 0$

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

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

7. $x^2 + 10 = 7x$

8. $2x^2 + 5 = 0$

9. $x^2 - x - 15 = 0$

10. $2x^2 - x - 1 = 0$

11. $x^2 + 5x = 14$

12. $6x^2 + 3x - 20 = 0$

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

14. $3x^2 + 5x = 0$

15. $10x^3 + 5x^2 = 0$