

Basic Algebra — Quiz 18

Factor each polynomial completely in problems 1 to 7, and solve for x in the problems 8 to 10.

1. $x^2 - 9 =$

2. $25x^2 - 4 =$

3. $x^2 - 12x + 36 =$

4. $x^4 - 81 =$

5. $x^3 - x =$

6. $6x^2 - 18x - 24 =$

7. $x^8 - 2x^7 + 3x^5 - 6x^4 =$

8. Solve for x : $x^2 - 6x + 5 = 0$

9. Solve for x : $2x^2 - 7x = 15$

10. Solve for x : $6x - 10x^2 = 0$