

**Solving Equations**  
Emphasis solving Polynomials

Solve each of the following:

1. $x^4 - 25x^2 + 144 = 0$	2. $x^3 + 3x^2 - 14x - 20 = 0$
3. $x^3 - 2x^2 - 9x + 18 = 0$	4. $x^4 - 34x^2 + 225 = 0$
5. $x^4 - 20x^2 + 64 = 0$	6. $x^4 - 45x^2 + 324 = 0$
7. $x^3 + 6x^2 - 9x - 14 = 0$	8. $x^3 + 3x^2 - x - 3 = 0$
9. $x^3 - 2x^2 - 3x + 6 = 0$	10. $x^6 - 21x^4 + 84x^2 - 64 = 0$

11. $x^5 + 2x^4 - 45x^3 - 90x^2 + 324x + 648 = 0$	12. $x^6 - 30x^4 + 129x^2 - 100 = 0$
13. $x^6 - 6x^4 + 8x^3 - 3x^2 = 0$	14. $x^8 - 12x^6 + 46x^4 - 60x^2 + 25 = 0$
15. $x^3 + x^2 - 101x + 99 = 0$	16. $x^3 + 2x^2 - 9x - 4 = 0$
17. $x^4 + 2x^3 - 7x^2 - 6x + 12 = 0$	18. $x^4 - 2x^3 - 10x^2 + 4x + 16 = 0$
19. $x^4 - 8x^3 - 37x^2 + 380x - 672 = 0$	20. $x^4 + 2x^3 + 2x - 1 = 0$