

Polynomial Equations

In problems 1-18, solve each equation

1. $(x-7)(x+5) = 0$	2. $(4x-1)(2x+5) = 0$
3. $8x^2 + 2x = 0$	4. $x^3 + 6x^2 = 0$
5. $x^2 = 5x$	6. $x^2 + 39x - 40 = 0$
7. $x^2 = 23x + 50$	8. $y^2 - 4y - 21 = 0$
9. $8x^2 - 32x + 32 = 0$	10. $2x^2 + 7x - 80 = x^2 - 9x$
11. $6x^2 + x - 2 = 0$	12. $8x^2 - 81x + 10 = 0$
13. $x(3x-1) = 10$	14. $x^3 + 3x^2 - 4x - 12 = 0$
15. $x^2 - \frac{11}{4}x + \frac{3}{2} = 0$	16. $10x^2 - 90 = 0$
17. $25x^2 - 4 = 0$	18. $(x-1)^2 = 4(x-2) + 1$