Kerry Ojakian's MTH 28 Class Class Assignment #19

- 1. Solve.
 - (a) (x+7)(x+7) = 0 (b) (x+2)(x+2)(4x) = 0
- 2. Solve.
 - (a) (x+7)(2x-1) = 0 (b) (7x-21)(2x) = 0
- 3. Solve. x(x-1)(5x+1)(x-3) = 0
- 4. Solve. $x^2 = 9$
- 5. Solve. $100x^2 = 9$
- 6. Solve. $6x^3 = 24x$
- 7. Solve. $x^2 = 7x + 8$

8. Solve (complex solutions allowed): $x^2 - 4x - 7 = 0$.

9. Solve (complex solutions allowed): $x^2 - 4x - 7 = 0$.

10. Solve. $12x^3 + 12x^2 = 24x$

11. Solve each equation (complex solutions are NOT allowed):

(a) $2x^2 - 2x = 6$ (b) $x^2 + x + 2 = 0$

12. Solve (only allow real solutions). $5x^2 + 4 = 9x$

- 13. Solve (complex solutions are allowed):
 - (a) $x^2 + 9x = -14$

(b)
$$y^2 = 2y + 35$$

14. Solve (complex solutions allowed): $x^2 + 12 = -7x$

15. Solve.

(a)
$$3u^2 - 6u = -2$$

(b)
$$y^2 = 2y - 2$$