MATH 21-111
Fall 2007

Week 2

Practice Problems

Solve Equations

- $(x^2-1)(x^2+2x+1)=0$
- $3x^4-2x^2+1=0$
- $x^3-3x^2+x=0$

Find all x such that:

- $x^2-5x+6>0$
- $\frac{(x-1)(x-3)(x+5)^2}{(x-1)(x-3)} \leq 0$

Simplify

- $\frac{(x^3-1)(x^2-4x+3)}{(x-1)(x-3)}$
- $\frac{(1-(\sin x)^2)(\sin 2x+\sin x)}{2\sin 2x}$