

PreCalc 11 notes Page 1

 $\chi^2 - 1$ conjugates $=(x \oplus 1)(x \oplus 1)$

When the denominator is a **binomial:** rationalize the denominator using the **conjugate** (the same **two** terms separated with **opposite signs**).

$$\frac{2}{(3+\sqrt{10})}$$

$$\frac{2}{(3+\sqrt{10})}$$

$$\frac{6+2510}{(3+\sqrt{10})}$$

$$\frac{6+2510}{(3+\sqrt{10})}$$

$$= -2(3+10)$$

$$\frac{2}{6+\sqrt{6}} + \sqrt{6} +$$

=

$$=\frac{75}{6-26}$$

HW: p 289 Questions: 6, 7b, 8ab, 10, 11ab