

Notes #7 ~ Sect. 11.4: Operations with Radical Expressions (Part 3)

Conjugates: The sum and difference of the same two terms.

$$\text{Ex. } \sqrt{5} + \sqrt{2} \text{ and } \sqrt{5} - \sqrt{2}$$

Investigating the product of conjugates:

$$(\sqrt{5} + \sqrt{2})(\sqrt{5} - \sqrt{2})$$

Ex. 1 : Simplify each expression.

a)
$$\frac{8}{\sqrt{7} - \sqrt{3}}$$

$$b) \frac{-4}{\sqrt{10} + \sqrt{8}}$$