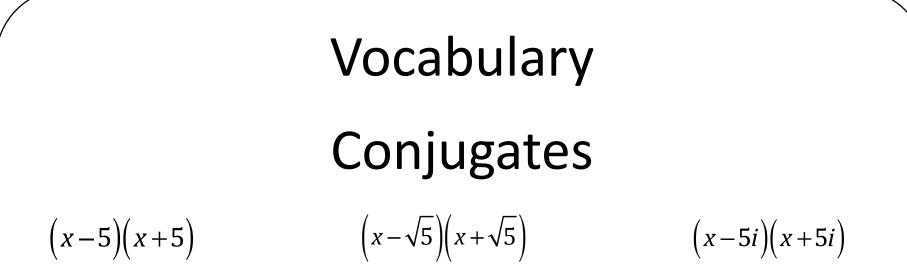
Building Polynomials from Known Attributes



By the end of this lesson, I will be able to answer the following questions...

- 1. How do I build polynomials from *zeros*?
- 2. What is a *conjugate*?
- 3. What are the properties of a conjugate and how do I use them to build polynomials?

4. What is the *irrational conjugate rule* and *complex conjugate rule*



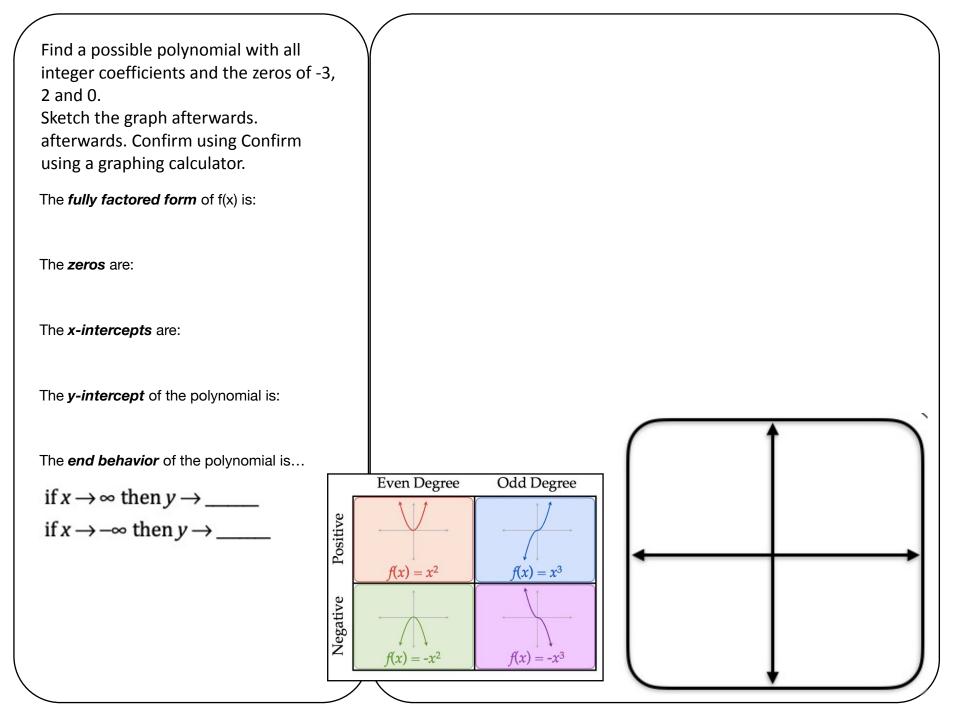
What is a pattern you notice?

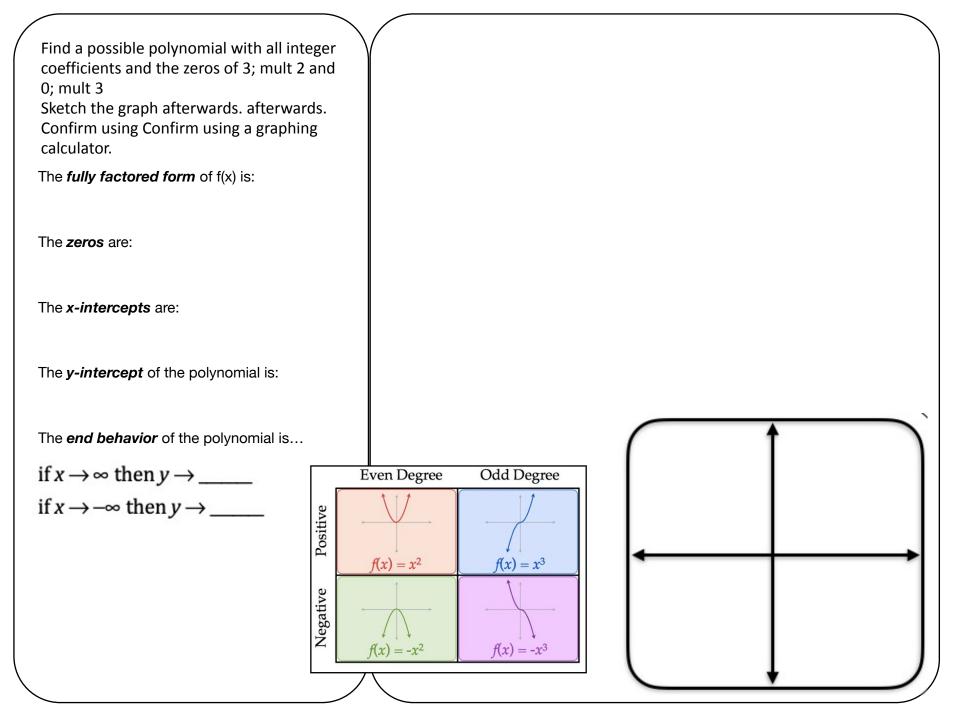
Prerequisite Skills with Practice YES $\sqrt{\frac{a}{b}} = \frac{\sqrt{a}}{\sqrt{b}}$ $\sqrt{a} \cdot \sqrt{b} = \sqrt{a \cdot b}$ $\sqrt{2} \cdot \sqrt{5} =$ $\left|\frac{4}{2}\right| =$ $\sqrt{2} \cdot \sqrt{10} =$ $\sqrt{\frac{5}{9}} =$ $\sqrt{2} \cdot \sqrt{2} =$ $\left|\frac{4}{5}\right| =$

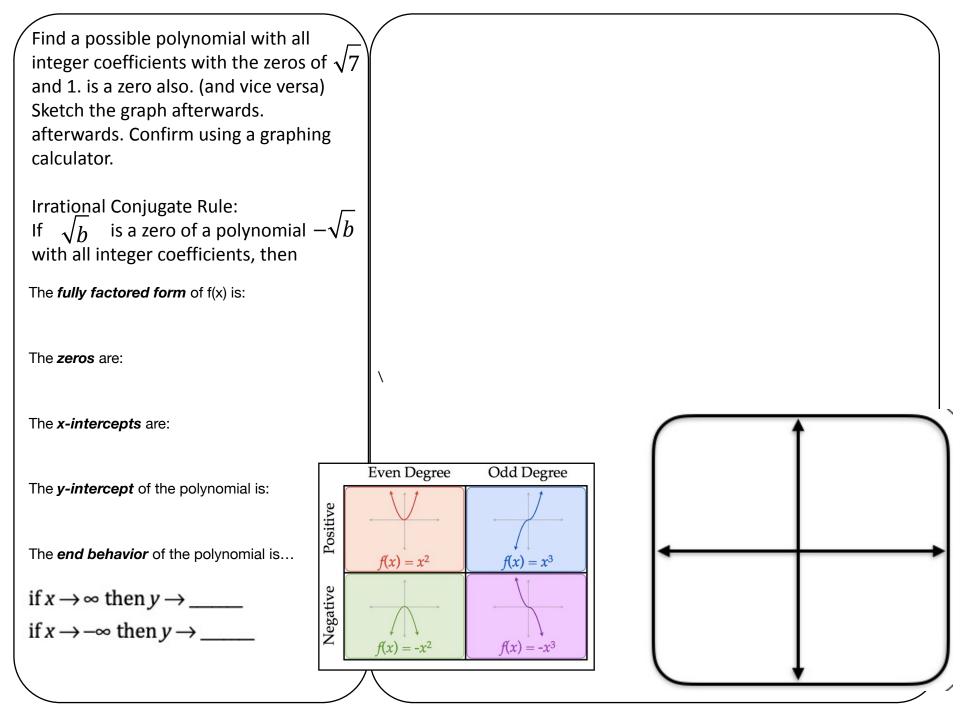


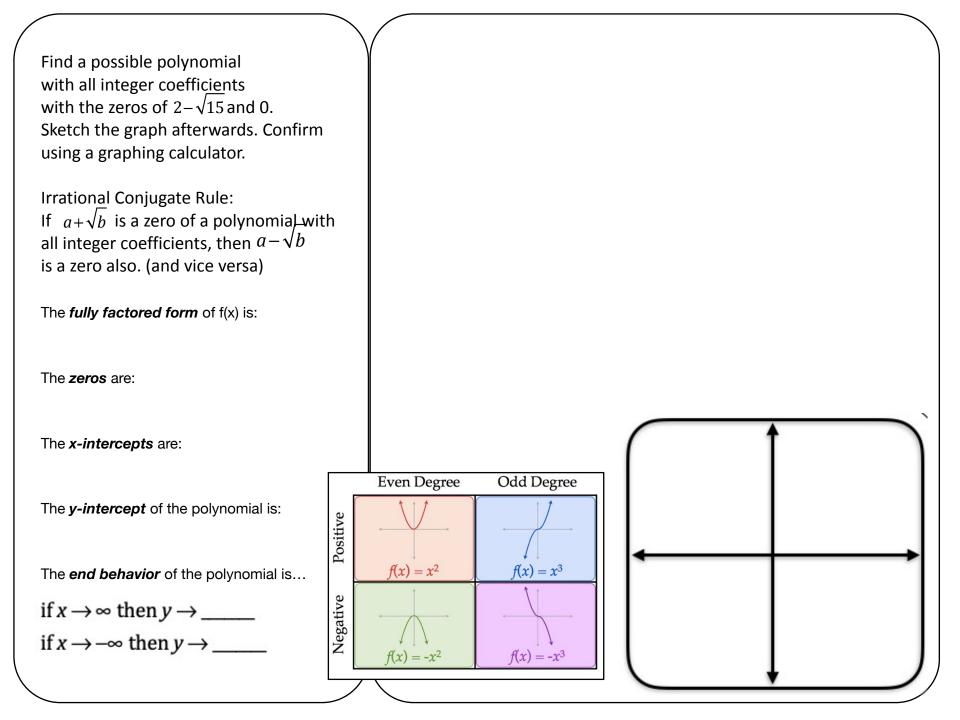
 $\sqrt{a} + \sqrt{b} \neq \sqrt{a+b}$ $\sqrt{a} - \sqrt{b} \neq \sqrt{a-b}$

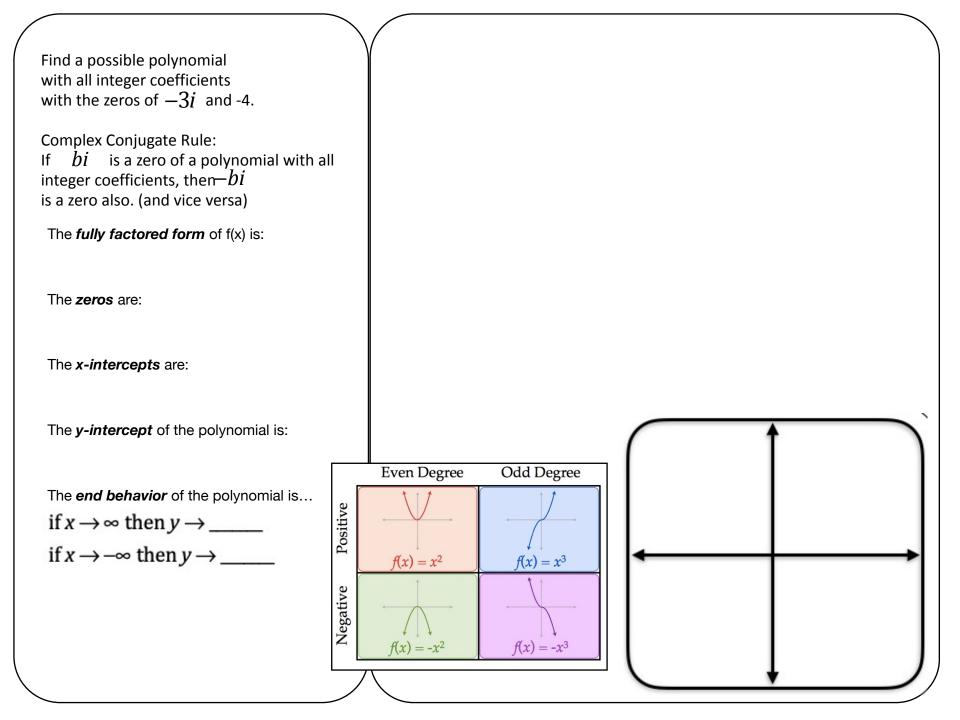
Are $\sqrt{9+16}$ and $\sqrt{9}+\sqrt{16}$ equal?











THE END



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