High School Algebra Playlist: Recognizing Structure

Aligns with CCSS.Math.Content.HSA.SSE.A.2: Use the structure of an expression to identify ways to rewrite it. *For example, see $x^4 - y^4$ as $(x^2)^2 - (y^2)^2$, thus recognizing it as a difference of squares that can be factored as $(x^2 - y^2)(x^2 + y^2)$.*

Related Standards

- CCSS.Math.Content.HSA.SSE.A.1: Interpret expressions that represent a quantity in terms of its context.
- CCSS.Math.Content.HSA.SSE.A.1.a: Interpret parts of an expression, such as terms, factors, and coefficients.
- CCSS.Math.Content.HSA.SSE.A.1.b: Interpret complicated expressions by viewing one or more of their parts as a single entity. *For example, interpret $P(1+r)^n$ as the product of P and a factor not depending on P.*