

High School Algebra Playlist: Rewriting Polynomials

Aligns with [CCSS.Math.Content.HSA.APR.D.6](#): Rewrite simple rational expressions in different forms; write $\frac{a(x)}{b(x)}$ in the form $q(x) + \frac{r(x)}{b(x)}$, where $a(x)$, $b(x)$, $q(x)$, and $r(x)$ are polynomials with the degree of $r(x)$ less than the degree of $b(x)$, using inspection, long division, or, for the more complicated examples, a computer algebra system.

Related Standards

- [CCSS.Math.Content.HSA.APR.B.2](#): Know and apply the Remainder Theorem: For a polynomial $p(x)$ and a number a , the remainder on division by $x - a$ is $p(a)$, so $p(a) = 0$ if and only if $(x - a)$ is a factor of $p(x)$.

PREVIEW



Objectives

In this module, you will learn and practice the following skills:

- rewrite rational expressions
- divide polynomial expressions

Let's get started!

Connections

- <https://openstaxcollege.org/textbooks/algebra-and-trigonometry>; section 5.4, about page 550

PREVIEW

