

Polynomial Remainder Theorem

- $f(x)$: a polynomial

- $f(x)$: a polynomial, $x - \alpha$

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 $\Rightarrow \exists Q(x)$: a polynomial s.t. $f(x) = (x - \alpha)Q(x) + f(\alpha)$

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$$f\left(-\frac{b}{a}\right) = \left\{ a\left(-\frac{b}{a}\right) + b \right\} Q\left(-\frac{b}{a}\right) + R$$

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Github:

<https://min7014.github.io/math20201220002.html>

Click or paste URL into the URL search bar,
and you can see a picture moving.