

## Polynomial Division

Polynomial Divided by a **MONOMIAL**

$$\frac{5a^2b - 15ab^3 + 10a^3b^4}{5ab}$$

## Good Old Long Division

$$4 \overline{)6813}$$

Use the same method for polynomial division

I Long Division

$$x^2 + 5x - 12 \div (x-3)$$

$$\underline{(6m^2 + m - 2)(2m - 1)^{-1}}$$

## II Synthetic Divison

$$x^3 - 4x^2 + 6x - 4 \div (x - 2)$$

Use synthetic division

$$x^3 - 64 \div (x - 4)$$