

NAME _____

Module 11 Simplifying Algebraic Expressions
with Polynomials

Lesson 7 Dividing Polynomials Using Long
Division



**guided
notes**

Lesson Objective

- Divide polynomials using long division.

The quantity that is being divided is called the _____.

The quantity that is being divided by is called the _____.

Before beginning a polynomial long division problem, write the dividend
and divisor in _____.

The five steps to complete a long division problem:

1. _____
2. _____
3. _____
4. _____
5. _____

If there is a remainder, write the answer as the quotient +

_____.

If the dividend is missing a term, insert zero as a placeholder for the

_____.

1 Divide: $(x^2 + 3x - 18) \div (x + 6)$

2 Divide: $(8 + 4x^2) \div (2x + 1)$

