

Name: _____
Date Started: _____ Date Completed: _____ Score: _____

Learning Activity Sheet
Dividing Polynomials Using Long Division

Use long division to find the quotient and remainder.

1. $(2x^3 + 5x^2 - 50x + 28) \div (2x - 7)$

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

3. $(3y^5 + 13y - 10) \div (y^3 - 2y)$

4. $(2x^3 - 4x^2 - 3x - 3) \div (x + 1)$

5. $(x^3 - x^2 + 2x - 3) \div (x - 1)$

6. $(2x^3 + x^2 - 2x + 4) \div (x + 1)$

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

8. $(3x^3 - 2x^2 + 2x - 2) \div (x - 1)$

9. $(5x^3 - 3x^2 - 10x + 24) \div (x + 3)$

10. $(2x^3 - 3x^2 + 3x - 5) \div (x - 2)$