Name _____

Period _____ Date _____

Dividing Polynomials

Divide using long division.

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

2. $(2x^3 + 4x^2 - 3x + 5) \div (x + 2)$

3. $(3x^4 - 74x^2 - 6x + 6) \div (x - 5)$

4. $(2x^4 - 7x^3 - 3x^2 - 5x + 5) \div (x - 4)$

5. $(2x^2 - 3x + 6) \div (x + 3)$

6. $(5x^4 + 43x + 9) \div (x + 2)$

7. $(4x^4 + 2x^3 - 4x^2 - x + 6) \div (2x + 3)$

8. $(3x^4 - 14x^3 - 3x^2 + 33x + 12) \div (3x - 5)$

9. $(3x^5 + 2x^4 - 19x^3 + 5x^2 + x + 6) \div (x + 3)$

10. $(3x^4 - 11) \div (x - 1)$