

Name: _____ Date: _____

Long Division of Polynomials

1. $(5x^3 - 8x^2 - x - 4) \div (x - 2)$

2. $(6x^3 + 16x^2 - 2) \div (x + 1)$

3. $(-3x^2 + 20x - 12) \div (x - 6)$

4. $(10x^3 + 3x^2 - 26x - 12) \div (2x + 3)$

5. $(-9x^3 + 6x^2 - 30x + 75) \div (3x^2 + 8)$

6. $(20x^3 - 26x^2 + 56x - 24) \div (5x^2 - 4x + 12)$

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

8. $(6x^3 + 23x^2 + 6x - 35) \div (3x^2 + 4x - 7)$
