

Name _____
Mr. Schlansky

Date _____
Algebra 2

Long Division with Quadratic Divisors

1.
$$\frac{3x^3 + x^2 + 2x + 5}{x^2 + 2x + 1}$$

2.
$$\frac{20x^3 - 9x^2 - 56x + 52}{5x^2 + 4x - 9}$$

3.
$$\frac{x^4 - 2x^3 + 3x^2 - 4x + 5}{x^2 - 2}$$

4.
$$\frac{x^4 + 2x^3 - 4x^2 + x + 2}{x^2 - x - 2}$$

$$5. \frac{3x^4+4x^3-5x^2+14x-}{x^2+2x-2}$$

$$6. \frac{3x^4-19x^3-29x^2-x+8}{x^2-8x+3}$$

$$7. \frac{-12x^4+2x^3+16x-5}{x^2+2x-1}$$

$$8. \frac{x^4+4x^3-x+1}{x^2-2x}$$