

Name \_\_\_\_\_  
Mr. Schlansky

Date \_\_\_\_\_  
Algebra 2

## *Dividing Polynomials Without $(x + a)$*

Divide each of the following polynomials

1. 
$$\frac{6x^3 + 19x^2 + 11x - 6}{3x - 1}$$

2. 
$$\frac{4x^4 + 10x^3 - 2x^2 + x + 2}{2x + 1}$$

3. 
$$\frac{4x^3 + 10x^2 + 10x - 1}{2x - 3}$$

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

$$5. \frac{2x^3 + 13x^2 + 9x - 4}{2x + 3}$$

$$6. \frac{6x^3 - 4x^2 - 12x + 11}{3x - 2}$$

$$7. \frac{15x^3 + 29x^2 - 23x - 21}{5x + 3}$$

$$8. \frac{8x^4 - 14x^3 + 23x^2 - 13x + 10}{4x - 1}$$

$$9. \frac{6x^4 - 8x^3 - 12x^2 + 13x + 7}{3x - 4}$$

$$10. \frac{-12x^4 + 2x^3 + 16x - 5}{x^2 + 2x - 1}$$