HW: 3.3 Long Division of Polynomials Algebra 2 Kitt

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_

Divide each of the polynomials using long division.

1. (4x2 – 9) ÷ (2x + 3) 2. (x2 – 4) ÷ (x + 4) 3. (2x2 + 5x – 3) ÷ (x + 3)

4. (2x2 + 5x – 3) ÷ (x – 3) 5. (3x2 – 13x – 10) ÷ (x – 5) 6. (3x2 – 13x – 10) ÷ (x + 5)

7. (12x3 + 20x2 +11x+ 2) ÷ (3x + 2) 8. (12x3 + 20x2 +11x +2) ÷ (2x + 1)

9. x4 – 1 10. x4 – 9

 x2 – 1 x2 + 3