

## Week 24: Polynomial Long Division Practice

Date \_\_\_\_\_ Period \_\_\_\_\_

**Divide.**

1)  $(x^3 + 7x^2 + 9x - 4) \div (x + 5)$

2)  $(m^3 + m^2 - 7m + 16) \div (m + 4)$

3)  $(b^3 + 5b^2 + 8b + 7) \div (b + 3)$

4)  $(r^3 - 6r^2 + 8r - 8) \div (r - 1)$

5)  $(4p^4 - 19p^3 + 15p^2 - 7p - 18) \div (p - 4)$

6)  $(-8m - m^3 - 12 - 21m^2 + m^4) \div (m + 4)$

7)  $(4b^4 - 12b^3 - b) \div (b - 3)$

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

9)  $(8v^3 + 9v^2 + 9v + 10) \div (8v + 1)$

10)  $(90x^3 - 30x^2 + 9) \div (9x - 3)$