

Factoring: Polynomial Division

Date _____ Period _____

Divide the polynomials. Write any remainders as a fraction.

1) $(6n^2 + 45n - 81) \div (n + 9)$

2) $(k^2 + 5k - 59) \div (k + 10)$

3) $(5k^2 + 44k + 63) \div (5k + 9)$

4) $(5a^2 + 26a - 32) \div (5a - 4)$

5) $(k^3 + 9k^2 + 22k + 56) \div (k + 7)$

6) $(7x^3 - 26x^2 - 55x + 52) \div (7x - 5)$

7) $(2x^3 + 7x^2 - 6x + 5) \div (2x - 1)$

8) $(9x^3 + 79x^2 - 3) \div (9x - 2)$