

Long Division of Polynomials - Notes

Divide, using long division. After writing your answer use the Remainder Theorem to state whether the binomial is a factor of the polynomial.

1) $(3k^4 - 12k^3 + 7k - 31) \div (k - 4)$

2) $(16n^4 - 48n^3 - 28n^2 - 4) \div (8n + 4)$