

2.5 Zeros of Polynomial Functions

Name:

Date: June 12, 2013

P 21. Find all the rational zeros of

$$g(x) = x^3 - 4x^2 - x + 4.$$

P 28. Find all the rational zeros of the function

$$f(x) = 2x^4 - 15x^3 + 23x^2 + 15x - 25.$$

P 32. Find all real solutions of

$$x^5 - x^4 - 3x^3 + 5x^2 - 2x = 0.$$

P 78. Find all the zeros of

$$h(x) = x^4 + 6x^3 + 10x^2 + 6x + 9$$

and write the polynomial function as a product of linear factors.