## Hon Pre-Calc Quiz - Solve Polynomial

Vame	

## Show all work!!!

Short Answer

- 1. Given:  $f(x) = 6x^7 35x^6 + 69x^5 20x^4 86x^3 + 75x^2 + 11x 20$ , and f(2-i) = 0
  - a) Determine the number(s) of positive, negative, and imaginary zeros

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Positive	Negative	Imaginary
5	2	0
3	2	2
	2	Н
5	0	
3	0	4
1	C	1-

## b) List all possible rational zeros