Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
  
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Question number 1: According to the rational zero theorem (92 points)  
  
Let p(x) = 4x^7+2x^4-10x^-3-5, which number is not a possible rational zero for p?  
note:   
  
The answers are:  
1. -1 2. 5/4  
  
3. 4/5 4. 5  
  
  
  
  
  
  
Question number 2: null (8 points)  
  
Let p(x) = x^4 + 5x^3 + 7x^2-4. Find the multiplicity of the zero at x = 2.  
note:   
  
The answers are:  
1. 1 2. 2  
  
3. 3 4. 4  
  
  
  
  
  
  
Good luck!