Math 338: Practice test #2

1.	Ì	Descartes found the link between and				
	b) Umar Al-Khayammi gave a geometric solution to equations.					
		Cardano and Vieta gave algebraic solutions to equations. Al-Khwarizmi wrote the first book explaining the rules for				
	e) and invented the calculus of infinitesimals					
	f)	The scientific discoveries of and necessitated the				
		invention of				
	g)	Place values, negative numbers, and zero were all introduced by mathematicians.				
	h)	Euler defined e^x by the equation $e^x = (1 + \frac{x}{n})^n$ where n is				
	i)	In 415AD Greek mathematics				
	j) If I see a triangle whose degrees sum to 175° then I know I am in universe.					
	k)	An empiricist thinks mathematical axioms come from				

2. (25%) Draw the picture that is a geometric demonstration of the fundamental theorem of calculus