San José State University Fall 2015

Math-8: College Algebra Section 03: MW noon-1:15pm Section 05: MW 4:30-5:45pm

Quiz #8

	osed book and notes, and no calculators. Show all work for full credit.	
of c	A function maps a set of independent values called the to a sendent values called the The subset of the codomain actus called the	
	What are the two requirements for values in the domain of a function?	
	Solve for x , giving your answer in interval notation.	
	2 5 - 3x + 7 < 21	

4. You start a side-business manufacturing widgets. The variable costs are \$2 per widget. The fixed costs are \$500 per month. You would like to keep your monthly costs between \$1000 and \$2000 per month. What are the minimum and maximum number of widgets that you can make per month?

5. Determine the domain of the following function:

$$f(x) = \frac{x-5}{\sqrt{x^2 - 9}}$$