Math	153	- Quiz	z 6
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March 23, 2017

Name		
	Score	

Show all work to receive full credit. Supply explanations when necessary. You must work individually.

1. (5 points) Consider the following probability distribution

- (a) State the two conditions that verify that this table indeed defines a probability distribution.
- (b) Compute $P(x \ge 4)$.
- (c) Determine all unusually small values of x.
- (d) Determine any unusually large values of x.
- 2. (5 points) A jar contains 5 pennies, 3 nickels, 7 dimes, and 1 quarter. A coin is selected at random. Let x represent the value of the coin in cents. Determine the probability distribution for x and computed the expected value.