MATH-310	Fall	2016
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Quiz #1

Total: _____ / 10

1	Introd	uction	to	Abstract	Matham	atice
	introa	uction	LO	ADSTRACT	⊐viatnem	arics

Name: _____

The majority of the credit you receive will be based on the completeness and the clarity of your responses. Show all of your work and justify your solutions as much as possible.

This is a 15 minute quiz and has 2 questions, for a total of 10 points

(5 points) 1. Let A be any set. Determine $\emptyset \cap A$ and $\emptyset \cup A$.

(5 points) 2. Given the set $A = \{x \mid x = 0 \text{ or } x \in \mathcal{P}(\{0\})\}$, determine the elements of A and $\mathcal{P}(A)$. Give your final answer using set notation.