## Math 112 - Quiz 4

September 4, 2018

Name	key	
	J	Score

Show all work to receive full credit. Supply explanations when necessary. This quiz is worth 5 points. You must work individually.

1. (2 points) List all subsets of  $\{r, s, t\}$ .

2. (1 point) What is the only subset of  $\{r, s, t\}$  that is not proper?

3. (1.5 points) State whether each is true or false.

(a) 
$$\{3\} \subseteq \{1, 3, 5\}$$

TRUE

(b) 
$$\{1, 2, 3\} \subseteq \{123\}$$

FALSE

(c) 
$$\emptyset \subseteq \{ \}$$

TRUE.

4. (0.5 point) Without listing them, state how many subsets  $\{x,y\}$  has.

2 ELEMENTS