

Name \_\_\_\_\_

## Mathematics 2602

Quiz 0

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1. Consider the sets  $A = \{a, b, c\}$  and  $B = \{b, c, d\}$ .

What is  $A \cup B$ ?

$$\{a, b, c, d\}$$

What is  $A \cap B$ ?

$$\{b, c\}$$

Define a function  $f : A \rightarrow B$  that is a bijection.

Define  $f$  as the follows:

$$f(a) = b$$

$$f(b) = c$$

$$f(c) = d$$