```
1. Let A={1,2,3} and B={w,x,y,z}. How
  many onto functions f:A→B are
  possible?
  (3 points)
  √A. 0
  B. 3
  C. 4
  D. 12
```

- 2.Let A={1,2,3} and B={x,y,z}. Which
 one of the following functions from A
 to B are **not** onto?
 - (3 points)

A.
$$\{(1,x),(2,y),(3,z)\}$$

B.
$$\{(2,x),(3,y),(1,z)\}$$

$$\checkmark$$
 C. $\{(3,y),(2,x),(1,x)\}$

D.
$$\{(3,z),(1,y),(2,x)\}$$

3.Let A={1,2,3} and B={x,y,z}. Which
one of the following functions from A
to B is not a 1-to-1 correspondence?
(3 points)

A.
$$\{(1,x),(2,y),(3,z)\}$$

B.
$$\{(2,x),(3,y),(1,z)\}$$

C.
$$\{(3,y),(2,z),(1,x)\}$$

$$\checkmark D. \{(2,z),(1,y),(2,x)\}$$