

Functions\_Relations A  
03/01/2012

Student Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

Instructions: **Read each question carefully and select the correct answer.**

1. Which of the following points, if removed from the set, would make the set a function?

$\{(1, 15), (-3, 14), (12, 0), (9, 0), (14, -3), (0, 4), (14, 1), (5, 5)\}$

- A.  $(-3, 14)$
- B.  $(14, 1)$
- C.  $(9, 0)$
- D.  $(5, 5)$

2. Which of the following relations is **not** a function?

- A.  $\{(-2, -3), (5, -7), (4, 7), (-8, 2), (7, 4)\}$
- B.  $\{(-2, -3), (5, -7), (4, 7), (-8, 2), (5, 3)\}$
- C.  $\{(-2, -3), (5, -7), (4, 7), (-8, 2), (1, -3)\}$
- D.  $\{(-2, -3), (5, -7), (4, 7), (-8, 2), (8, 8)\}$

3. Which of the following points, if removed from the set, would make the set a function?

$\{(0, -4), (3, 1), (9, -9), (-7, -2), (5, -6), (0, 2), (-2, -7), (-5, 1)\}$

- A.  $(-2, -7)$
- B.  $(0, 2)$
- C.  $(3, 1)$
- D.  $(9, -9)$

4. Which of the following relations, mapping region A to region B, is NOT a function?

