

Domain and Range Test
03/07/2012

Student Name: _____

Class: _____

Date: _____

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

1. Find the range of the following relation r .

$$r = \{(-1, 9), (-2, -6), (7, -1), (-12, 4), (5, -3)\}$$

- A. $\{-6, -3, -1, 4, 9\}$
- B. $\{-12, -2, -1, 5, 7\}$
- C. $\{-12, -6, -3, -2, -1, -1, 4, 5, 7, 9\}$
- D. $\{-12, -6, -3, -2, -1, 4, 5, 7, 9\}$

2. Find the range of the following relation r .

$$r = \{(12, 5), (-6, 4), (0, 0)\}$$

- A. $\{-6, 0, 0, 4, 5, 12\}$
- B. $\{-6, 0, 12\}$
- C. $\{0, 4, 5\}$
- D. $\{-6, 0, 4, 5, 12\}$

3. Find the range of the following relation r .

$$r = \{(4, 5), (7, 7), (0, 8), (13, 6), (10, 0)\}$$

- A. $\{0, 4, 5, 6, 7, 8, 10, 13\}$
- B. $\{0, 4, 7, 10, 13\}$
- C. $\{0, 5, 6, 7, 8\}$
- D. $\{0, 0, 4, 5, 6, 7, 7, 8, 10, 13\}$

4. Find the domain of the following relation r .

$$r = \{(1, 3), (5, 1), (0, 8), (-5, -9)\}$$

A. $\{-9, -5, 0, 1, 3, 5, 8\}$

B. $\{-9, 1, 3, 8\}$

C. $\{-9, -5, 0, 1, 1, 3, 5, 8\}$

D. $\{-5, 0, 1, 5\}$