

NAME: _____

A.A.29: Use set-builder notation and/or interval notation to illustrate the elements of a set, given the elements in roster form.

1. fall0704ia, P.I. A.A.29

Which interval notation represents the set of all numbers from 2 through 7, inclusive?

[A] (2,7] [B] (2,7) [C] [2,7] [D] [2,7)

2. 010917ia, P.I. A.A.29

The set $\{1,2,3,4\}$ is equivalent to

[A] $\{x|0 < x \leq 4, \text{ where } x \text{ is a whole number}\}$
[B] $\{x|1 < x \leq 4, \text{ where } x \text{ is a whole number}\}$
[C] $\{x|0 < x < 4, \text{ where } x \text{ is a whole number}\}$
[D] $\{x|1 < x < 4, \text{ where } x \text{ is a whole number}\}$

3. 060930ia, P.I. A.A.29

The set $\{11,12\}$ is equivalent to

[A] $\{x|11 < x < 12, \text{ where } x \text{ is an integer}\}$
[B] $\{x|10 < x \leq 12, \text{ where } x \text{ is an integer}\}$
[C] $\{x|11 < x \leq 12, \text{ where } x \text{ is an integer}\}$
[D] $\{x|10 \leq x < 12, \text{ where } x \text{ is an integer}\}$

[1] C

[2] A

[3] B