Math 4109 Quiz 1 Name:

1. A = { x Ɛ ℝ **|** x ≥ 4 }

 B = { x Ɛ ℝ **| -1 ≤ x < 6** }

Perform the following set operations: A’\ B

Graph the detailed operation below.









Give your answer in interval form: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. A = -∞, 0]

B = [0,3]

C = ]-2,2]

Perform the following set operations: (A ∪ C) \ B











Give your answer in set-builder notation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. A = { x Ɛ ℝ **|** 3 < x ≤ 6 }

 B = { x Ɛ ℝ **| x ≥ 4** }

Perform the following set operations: A ∩ B’









Give your answer in interval notation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. A = [0,3[

 B = ]0,4]

 C = ]2,4[

Perform the following set operations: (A∩B) ∪ C

Graph the detailed operation below:











Give your answer in set-builder notation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_