

Math 330 - Number Systems - Section 1 - Fall 2025

Selected Solutions for Fall 2025 Quizzes

Quiz 01:

#1 a. $\{1, 2, 3, 4, 5, 6\}$ b. $\{3, 4\}$ c. $\{1, 2\}$ d. $\{1, 2, 5, 6\}$ e. $\{7, 8\}$ f. `_false_` ■.

#2: Valid choices are #4, #6, #8; Note that $\#5, \#7 \notin \mathbb{Q}$ ■. #3: $]3, 7[$ and $]0, 10[$ ■.

#4: $X = A$ ■. #5: See lecture notes

Quiz 02:

#1 column a): `all true` column b): `all true except #1` column c): `all false except #2, #3`

#2 See lecture notes #3 `always, always` #4 `True, True`