

Exercise. A variant of Exercise 2.3.101. Set Notation

§2.3

a. Write the set $A = \{x \in \mathbb{N} : -2 < x \leq 7\}$ using the Roster Method.

delete this line and put your answer here

b. Write the set $B = \{x \in \mathbb{Z} : |2x| < 5\}$ using the Roster Method.

delete this line and put your answer here

c. Write the set $C = \{3, 6, 9, 12, 15, 18, 21, \dots\}$ in set builder notation using $\mathbb{R}$ as the universe.

Hint. Recall set builder notation defines the set by stating a rule, denoted $P(x)$, that all elements x in the set must satisfy and is of the form $\{x \in U : P(x)\}$ where U is the universe.

delete this line and put your answer here