

Algebra / Set-builder notation

Worked Examples:

Set-builder notation

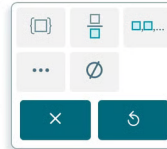
Rewrite the set V by listing its elements. Make sure to use the appropriate set notation.

$$V = \{y \mid y \text{ is an integer and } -4 < y \leq 0\}$$

*↑
set
that*

integers... -3, -2, -1, 0, 1, 2, 3, ...
V = name of set
y = name of variable

$$V = \{-3, -2, -1, 0\}$$

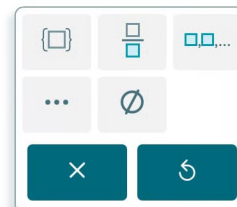


Set-builder notation

Rewrite the set U by listing its elements. Make sure to use the appropriate set notation.

$$U = \{z \mid z \text{ is an integer and } -2 < z < 1\}$$

$$U = \{-1, 0\}$$



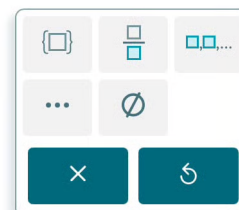
Set-builder notation

Rewrite the set R by listing its elements. Make sure to use the appropriate set notation.

$$R = \{z \mid z \text{ is an integer and } -5 \leq z < -3\}$$

-5, -4, -3

$$R = \{-5, -4\}$$



#LinearEquationsAndInequalities
 #EquationsAndInequalities

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