

Solutions to non-textbook questions

Exercise 1:

1.

- (a) All the points (x, y) where $x > 0$ and $y \geq 1/x$
- (b) R_+^2
- (c) empty set
- (d) the set $\{(x, y) : x^2 + y^2 \leq \ln(2)\}$, inside (and boundary) of circle with radius $\sqrt{\ln(2)}$
- (e) R^2