Discrete Mathematics - Homework 6

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May 17, 2021

Problem 1

3.1.12

Suppose x and y are real numbers, and $3x + 2y \leqslant 5$. Prove that if $x > 1$ then $y < 1$.

Proof. Suppose that $x, y \in \mathbb{R}$ and that $3x + 2y \leqslant 5$ and $x > 1$. $\square$

3.1.13

3.1.16

Problem 2

3.3.6

3.3.8

3.3.21

3.3.24

Problem 3

3.4.8

3.4.10