

- Section 1.4
  - Problem 2
    - \* a) There exists a real number  $x$  such that for all real numbers  $y$ ,  $xy = y$  is true.
    - \* b) For all real numbers  $x$  and for all real numbers  $y$ , if  $x$  is greater than or equal to zero and  $y$  is greater than or equal to zero, then  $xy \geq 0$  is true.
    - \* c) For all real numbers  $x$  and for all real numbers  $y$  there exists a real number  $z$  where  $x = y + z$  is true.
  - Problem 4
    - \* a)
    - \* b)
    - \* c)
    - \* d)
    - \* e)
    - \* f)
  - Problem 8
- Section 1.5
  - Problem 2
  - Problem 4
  - Problem 10
- Section 1.6
  - Problem 2
  - Problem 4
  - Problem 10
  - Problem 18
  - Problem 20