

Math 29: Homework 3

Due Wednesday, April 19

1. (there is no list of total computable functions) Exercise 4.2.4.
2. (computability of halting versus output) Exercise 4.5.1. (Give a formal argument using your choice of model of computability, then appeal to Church's thesis.)
3. (recursive sets are r.e.) Exercise 5.1.6.
4. (r.e. and complement r.e. is recursive) Exercise 5.1.8.
5. (infinite computable subsets) Exercise 5.1.10.