

Math 251W: Foundations of Advanced Mathematics  
Portfolio Assignment 3: §2.1-3

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Problem 2.3.5

proposition: Let  $a, b$ , and  $c$  be integers. If there exists an integer  $d$  such that  $d|a$  and  $d|b$  but  $d \nmid c$ , then  $ax + by = c$  has no integer solutions for  $x$  and  $y$ .

proof ()

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