

**MATH 113: DISCRETE STRUCTURES**  
**READING QUESTIONS FOR WEDNESDAY WEEK 11**

**Reading assignment.** *DM:EB* §6.6.

*Problem 1.* Show that if  $a$  and  $b$  are positive integers with  $a \mid b$ , then  $\gcd(a, b) = a$ .

*Problem 2.* Apply the Euclidean algorithm to determine the greatest common divisor of 97 and 20.