Discrete Structures
Exam 2
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1. Evaluate gcd(999,600) using the Euclidean algorithm.

2. How many positive integers <= 1000 are multiples of 6 or 8?

3. A={1,2,3,4} and R={(a,b)|a+b<7}
a. Is R reflexive? symmetric? anti-symmetric? transitive?
b. Find the matrix of R.

4. A={2,3,8,12,24} and R={(a,b)|a divides b}.
Show that R is a partial order relation and draw the Hasse diagram.