Definitions to know

(a) $\gcd(a, b)$

(b) $\text{lcm}(a, b)$

(c) $a \equiv b \bmod m$

(d) relation

(e) equivalence relation

(f) equivalence class

(g) function (pg 129)

(h) image of a function

(i) injection

(j) surjection

(k) bijection

(l) $|A| = |B|$ (A and B are sets.)

(m) least upper bound

(n) greatest lower bound

(o) sequence

(p) $\lim_{n \to \infty} x_n = x$

(q) $\lim_{n \to \infty} x_n = \infty$

(r) Increasing/decreasing sequence

(s) Bounded sequence