# Homework on §22–25
## Due: Thursday, May 2

A. Silverman 22.1.

B. Silverman 22.3.

C. Silverman 22.10.

D. Silverman 24.4.

E. Silverman 24.8.

F. Recall that $D_m = \{d \in \mathbb{N} : d \mid m\}$. Use the Fundamental Theorem of Arithmetic to show that if $\gcd(m, n) = 1$, then the map

$$D_m \times D_n \to D_{mn}$$
$$(d, e) \mapsto de$$

   is a bijection.

G. Silverman 27.1.