Review 10

Automata & Theory of Computation

Student ID: **Name:**

1. Let $\Sigma = \{a, b\}$ and $\Gamma = \{b, c, d\}$ and define h by

$$h(a) = dbcc,$$
$$h(b) = bdc.$$

If L is the regular language denoted by

$$r = (aab)^* (a + b) ,$$

Then find a regular expression for $h(L)$.