Draw of socks

This task is about working out the probability as a fraction for a given outcome.

Hana has six coloured socks in her drawer. Three socks are yellow and three are green.

a) Hana takes out one sock without looking.
   What is the probability it is green?

- ○ $\frac{1}{6}$
- ○ $\frac{1}{3}$
- ○ $\frac{3}{6}$
- ○ $\frac{3}{3}$

b) The first sock Hana pulled out was green.
   She puts this sock aside and pulls out another one without looking.
   What is the probability that this sock is also green?