For #12, I thought simplifying the circuit would help, but it isn't. I believe R2 and R3 are parallel and that, if you simplify that, it is in series with R1. I don't know where to start on this problem, though. Any help?

On #12, yes R2 and R3 are in parallel and that combo is in series with R1. However, you don't know the values of resistance so it is hard to reduce. This problem is just testing KCL. Write KCL at the node to the right of R1 (currents coming in = currents going out). Then you only have one unknown.