1. ([R], Page 755, Exercise 2(a)(b)(c)(d)(e)(f)) Which of these graphs are trees?

Answer Area:

2. ([R], Page 756, Exercise 14) Show that a simple graph is a tree if and only if it is connected but the deletion of any of its edges produces a graph that is not connected.

Answer Area:
3. ([R], Page 756, Exercise 15(a)) Let $G$ be a simple graph with $n$ vertices. Show that 
a) $G$ is a tree if and only if it is connected and has $n - 1$ edges.

Answer Area: