No Ramsey graph

You can use HW as toolbox.

1. Connected graph,

Tree

1. No assumption

Hole theorem only in T F

1. Basic task
   1. Draw two pictures problem
   2. About the graphs definition
2. (a). Similar to one of PS 7 not 6 7, not first three. CONNECTED graph several more

(b). basic calculation – count something – one sentence is enough

1. two problems on bipartite graph only here

(a). similar to HW problem PS 7, if you remember, you can directly use it,

then we can solve in one or two sentences

(b). basic verification

verify and show which graph is bipartite.

1. (a). Info about graph, must conclude and say something about path of that graph

(b). info about graph gamma (V,E), must conclude and say something about path of that graph

One is cycle, one is general

1. two parts:
   1. prove or disprove. Get some examples to see intuition.
   2. Basic graph or counting problem (numerical)
      1. E.g. at least 15 vertices
      2. E.g. 2 edges at most

