

Visualizing the Network

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```
for(i in 1:k_num_psets){
  png(filename = paste(letters[i], ".png", sep = ""),
       width = 5, height = 5, units = 'in', res = 1000)
  to_exclude <- people_who_dropped
  if(i > 5){
    to_exclude <- grades$code[grades$did_drop_after4]
  }
  plot(graphs[[i]],
       edge.arrow.size=.2,
       edge.width = .4,
       vertex.frame.color=nice_colors[as.numeric(as.factor(V(graphs[[i]]$Sex)))] ,
       vertex.size=grades[!grades$code %in% to_exclude, paste("hw", i, sep="")] / 9,
       vertex.color=nice_colors[as.numeric(as.factor(V(graphs[[i]]$Sex)))] ,
       vertex.label="", #V(graphs[[i]])$code,
       vertex.label.cex = .4,
       vertex.label.dist = .25,
       main = paste("Problem Set", i),
       #layout = save_layout,
       rescale=T)
  legend("topright", col = nice_colors[c(3, 2, 1)],
        legend = c("M", "F", "?"), pch= 16, cex=.8,
        bty="n")
  dev.off()
}
```