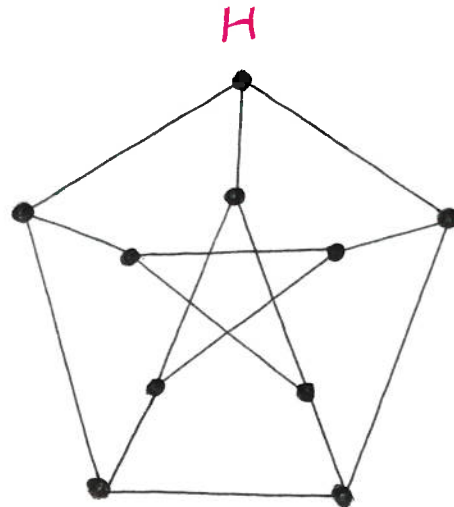
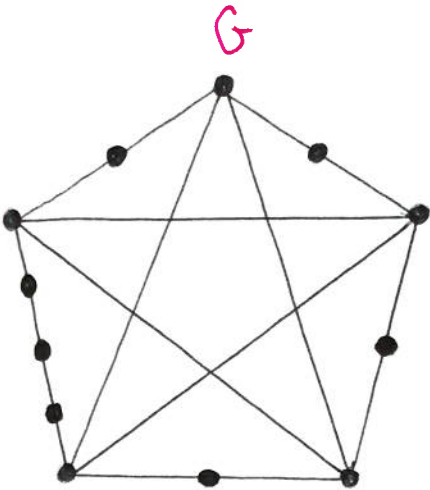


Are these two graphs **planar** or **not planar**? Why or why not?

(Reminder: we showed that K_5 is not planar.)



Not planar: if there were a planar drawing of G or H, could turn it into a planar drawing of K_5

Can check G doesn't violate $|E| \leq \frac{g}{g-2}(V-2)$

- G is a subdivision of K_5
- H contains K_5 as a minor