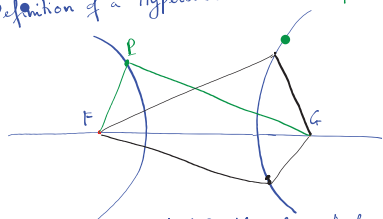


10.2 Hyperbolas

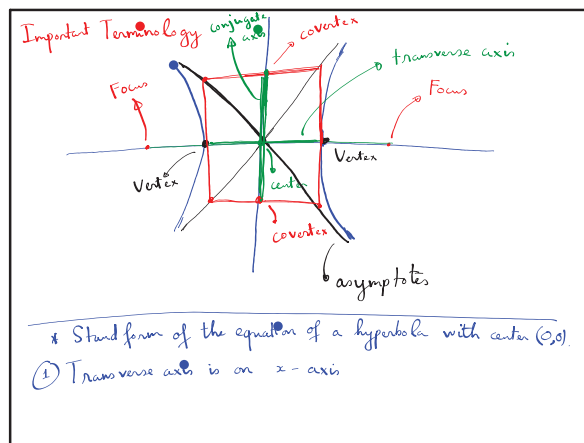
Definition of a Hyperbola

$|PF - PG| = \text{constant}$

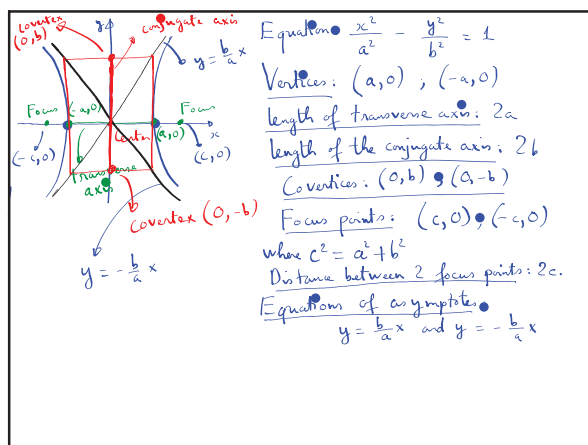


Fix 2 points F and G on the plane. A hyperbola with focus points at F and G is the collection of points P in the plane such that $|PF - PG| = \text{constant}$.

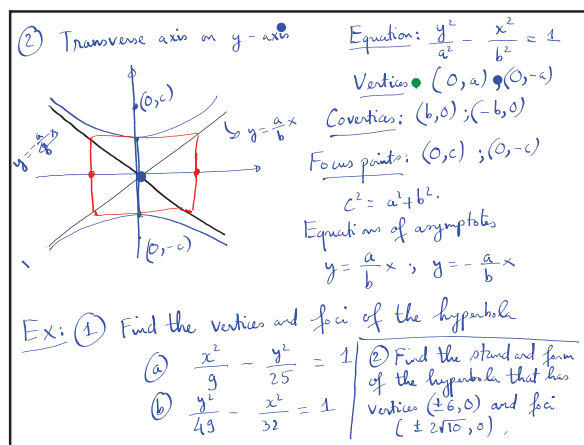
Oct 31-6:01 PM



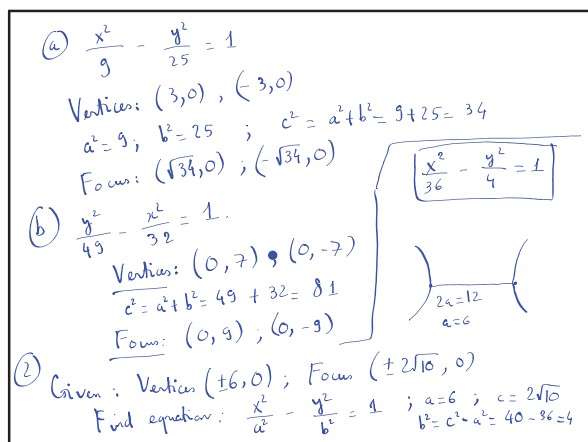
Oct 31-6:09 PM



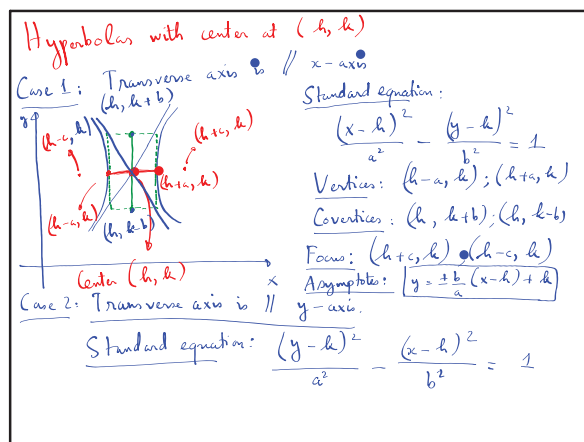
Oct 31-6:16 PM



Oct 31-6:23 PM



Oct 31-6:37 PM



Oct 31-6:42 PM