Spring 2020, Math 621: Preliminary Problem Set 6 Due: Thursday, March 5th, 2020 Polytopes and Polyhedra

Preliminary problems. These problems should be completed before discussion on Thursday.
(P1) Draw the convex hull $P$ of

$$
\{(0,0),(1,2),(1,3),(2,1),(3,1),(3,3)\}
$$

in $\mathbb{R}^{2}$. How many vertices does this polytope have?
(P2) Find the face lattice of the polytope $P$ in the previuos problem.

