Practice Probeleurs. Equis of 1st order but not of first degree Solve the following D. Es ; b= dy p + (x+y-2\frac{4}{2}) p + 2y + 4/2 - y - \frac{4}{2} = 0. pr-71-12=0 p^- 2y = y- px. pr + 2 py corn = yn 4 2 pr - 2 ryp + yr - xryr - 24 =0. (5) 6 y= 4x + by (7)X ytlogy = npy + pr 8 2 = 4 (p+ p3)

 $\frac{1}{4} \frac{1}{4} \frac{1}{2} \frac{1}{4} \frac{1}{2} \frac{1}{4} \frac{1}$

(13) $y = 3px + 4p^2$ (13) $y = 3px + 4p^2$

(15) p (2-a) - 2p xy + y-6=0. Reduce the eagle axy pt (2-ay2-le)p-xy=0 into clairants form I hence solve. (7) Reduce The egun y=2px +ayp2 by solved y to la claimants foran hince (18) Find the general and singular sol's of 3 my = 2pm - 2pm + x 45 = 1. and investigate whether a singular soch exists? 20) Find he general & singular sour of 422 - 22pg + gp + 6x = 1 (21) Find the general & singular soit of Y=px t(l'tap) 1/2 (22) find the general of mynder solve of

y'-2pry + p'(x'-1) = m^2.