Question 1: Maria De Yourn, M. = 100, K1=50, b=50 H2 & K2 = ? FM, = M, dey, 50 = 6dy F(t) = M, d2y, + b dy, + K, y, + K, 2 (y, -y2) [Newton's of Hotor FM2 = M2 dy2 F42= K12 (y=- 41) Newton's 2nd law of Hotion on M2, M2 d 72 + M2 (y2-y1) = 0 M2 dy2 + 41272 = K724, - (2) Mist but Kt K2