You can refer to this problem as "Problem N" on your homework.
(1) Plot the graphs of the equations
$$x^2 + xy - y^3 = 2, \qquad x^3 + 2y^2 + 9 = 0.$$
   (You should get two curves that intersect in a unique point P.)
(2) Look at the graphs to make a reasonable first guess (x_0, y_0) for P.
(3) Use Newton's Method to find successive approximations (x_1, y_1) and (x_2, y_2) to P.