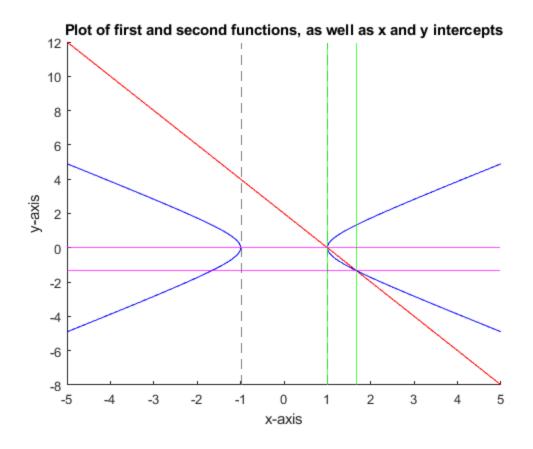
```
%%%%%%% Solving for multiple equations at once, and more! %%%%%%%%
%%%%%%% Romeo Perlstein %%%%%%%%
%%%% setup the equations for use %%%%
syms xvar yvar;
equn1 = (xvar^2) - yvar^2;
equn2 = (2*xvar) + yvar;
ans1 = 1;
ans2 = 2;
%%%% Output answer %%%%
[xAns, yAns] = solve([equn1 == ans1, equn2 == ans2])
%%%% Now work to plot the functions %%%%
func1 = -(2*xvar) + 2;
func2 = sqrt((xvar^2-1));
func3 = -func2;
xAns_real = double(xAns);
yAns_real = double(yAns);
title('Plot of first and second functions, as well as x and y intercepts');
xlabel('x-axis');
ylabel('y-axis');
hold on
fplot(func1, [-5 5], "-r");
fplot(func2, [-5 5], "-b");
fplot(func3, [-5 5], "-b");
xline(xAns real, "-q");
yline(yAns_real, "-m");
%%%% EZ PZ %%%%
xAns =
  1
5/3
yAns =
   0
-4/3
```



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