
```
% Plot the corresponding lines for reference
xplot = -2:2;
plot(xplot,(xplot-1)/5,'Linewidth',2);
hold on; grid on;
plot(xplot,(4*xplot-1)/2,'Linewidth',2);
xlabel('x1','FontSize',16);ylabel('x2','FontSize',16);

% Create the Matrix A and B
A = [1,-5;-2,4];
B = [1;-1];

% Solve the Matrix Equation and store the results in the vector x
X = A\B;

disp(X);

plot(X(1),X(2), 'k', 'Markersize', 20);
title('Solving a Linear System of Equations')

    0.1667
   -0.1667
```

