```
x = [1 3 1 10; 1 -2 -1 -6; 2 1 2 10];

for n = 1:(length(x)-1)
        % Step 1: make the row N's Nth term 1 by dividing
        % the whole row by it
        A = x(n,:);
        A = A/A(n);
        x(n,:) = A;

        % Step 2: for every other row add to it -1 * that rows Nth
term *
        % the Nth row
        for k = 1:(length(x)-1)
            if n~=k
                x(k,:) = A*(-1*x(k,n)) + x(k,:);
            end
        end
end

y = x(:,length(x))';

y
```