```
/* 3) */
/* a) */
data y;
do x = 0 to 10 by 0.1;
    y = (3 * sin(x)) - (5 ** 2) + 10;
    output;
end;
title 'a)';
proc gplot data=y;
    plot (y)*x;
run;
/* b) */
data y;
 Interest = 0.04;
 Annual investement = 1000;
 Total = 0;
 Year = 0;
 current quarter = 1;
 do until (Total ge 5000);
    current_quarter = 1;
    Total = Total + Annual investement;
    do until (current quarter ge 5);
        Total = Total + (Total * Interest);
        output;
        current_quarter = current_quarter + 1;
    end;
    Year = Year + 1;
 end;
run;
title 'b) It takes 3 years to reach >= $5000';
proc print data=y noobs;
run;
```