```c
#include <stdio.h>
#include <stdlib.h>
#include <math.h>

int main ()
{
        float x1, x2, d, a, b, c, x;
printf("Entrez les valeurs des: a, b, c \n");
scanf("%f %f %f",&a, &b, &c);

if (a != 0)
{
        d = (b*b)-(4*a*c);
        if (d < 0)
                printf("pas de racine");
        else if (d == 0){
                x = - b / 2*a;
                printf ("%f", x);
        }
        else if (d > 0){

                x1 = (-b - sqrt(d)) / (2*a);
                x2 = (-b + sqrt(d)) / (2*a);
                printf("%f %f", x1, x2);

        }
}
        else if (b != 0){
                                x = -c / b;
                                printf ("%f", x);
                                        }
        else if (c != 0){
                        printf("l'ensemble des solutions est vide");
                        }
                        else
```

```
        {
                printf("tout nombre x est solution du resultat");
        }
return (0);
}
```