

2.1.1 roots of a quadratic equation

A) code

```
a, b, c = map(float, input().split())
D = (b*b) - (4*a*c)
sqrtD = D**0.5
root1=(-b+sqrtD)/(2*a)
root2=(-b-sqrtD)/(2*a)
if D > 0:
    print(f"root1 = {root1:.2f}")
    print(f"root2 = {root2:.2f}")
elif D == 0:
    print(f"root1 = root2 = {root1:.2f}")
else:
    print(f"root1 = {root1.real:.2f}{root1.imag:+.2f}i")
    print(f"root2 = {root2.real:.2f}{root2.imag:+.2f}i")
```