

Take the following lines of Python3 code, select the ones that you want to use for your program, and place them in the correct order. The final result will be a program that solves for the roots of a quadratic equation using the quadratic formula.

This Parsons problem was inspired by Denny, Luxton-Reilly, and Simon's research *Evaluating a New Exam Question: Parsons Problems*, available at http://www.academia.edu/2141084/Evaluating_a_new_exam_question_Parsons_problems

```
"""
quad_functions.py
This program solves quadratic equations using three functions:
* one function to get the coefficients a, b, and c
* one function to calculate the two roots, and
* one function to print out the results
"""

def get_coeffs():

def get_coeffs(a, b, c):

def calculate_roots(a,b,c):

def main():

def calculate_roots():

def display_solutions(root1, root2):

def display_solutions():

main()

a, b, c = get_coeffs()

root1 = (-b + (b * b - 4 * a * c) ** (1/2)) / (2 * a)

root2 = (-b - (b * b - 4 * a * c) ** (1/2)) / (2 * a)
```

```
x, y, z = get_coeffs(a, b, c)
display_solutions(r1, r2)
return root1, root2
display_solutions()
display_solutions(a, b, c)
print(root1, root2)
return a, b, c
print("The solutions are: ")
a = float(input("Enter coefficient a: "))
b = float(input("Enter coefficient b: "))
c = float(input("Enter coefficient c: "))
r1, r2 = calculate_roots()
a, b, c = get_coeffs()
r1, r2 = calculate_roots(a, b, c)
if __name__ == "__main__":
#!/usr/bin/env python3
```