User Story	As a mathematician, I want to calculate the value of the silver ratio number up to given certain decimal places, so that I can see what the number is up to certain decimal places.
Id	US1
Acceptance criteria # 1	 Given that I need to calculate the value of silver ratio number having 10 digits after the decimal point, When I perform an operation by providing 10 as a number of digits I want after the decimal point, I should see 2.4142135623 as an answer.
Priority	HIGH
Constraints # 1	 Performability: A calculator user can calculate the value of the silver ratio number having a maximum of 20 digits after the decimal point.

User Story # 2

User Story	As a mathematician, I want to calculate an area of a regular octagon with given side length, so that I can see what the area is for a given side length.
Id	US2
Acceptance criteria # 1	 Given that I need to calculate an area of a regular octagon with a side length of 8, When I perform an operation by providing 8 as a side length of an octagon, Then I should see 309.02 as an answer.
Priority	HIGH
Constraints	NIL

User Story	As a mathematician, I want to store a calculated value of the silver ratio number in memory, so that I can use it later.
Id	US3
Acceptance criteria # 1	 Given that I have already calculated the value of the silver ratio number having 10 digits after the decimal point, When I press "M in" key, Then the number of 2.4142135623 should be stored in memory, And the status bar on the display should show "M", And the calculator should allow me to do the next operation.
Priority	MEDIUM
Constraints	

User Story	As a mathematician, I want to add certain number to the value of the silver ratio number, so that I can see what their total is.
Id	US4
Acceptance criteria # 1	 Given that I have two numbers 5 and the silver ratio number, When I perform addition on them, Then I should see the sum as 7.4142135623.
Priority	MEDIUM
Constraints # 1	 The addition expression should use the number 2.4142135623 as a value of the silver ratio number, which has exactly 10 digits after the decimal point.

User Story	As a mathematician, I want to subtract a certain number from the value of the silver ratio number, so that I can see what the difference between them is.
Id	US5
Acceptance criteria # 1	 Given that I have two numbers 2 and the silver ratio number, When I subtract 2 from the silver ratio number, Then I should see the difference as 0.4142135623.
Acceptance criteria # 2	 Given that I have two numbers 10 and the silver ratio number, When I subtract 2 from the silver ratio number, Then I should see the difference as -7.5857864377 which is a negative number.
Priority	MEDIUM
Constraints # 1	• The subtraction expression should use the number 2.4142135623 as a value of the silver ratio number, which has exactly 10 digits after the decimal point.

User Story	As a mathematician, I want to multiply a certain number with the value of the silver ratio number, so that I can see what their product is.
Id	US6
Acceptance criteria # 1	 Given that I have two numbers 5 and the silver ratio number, When I multiply 5 with the silver ratio number, Then I should see the product as 12.0710678115.
Acceptance criteria # 2	 Given that I have two numbers 0 and the silver ratio number, When I multiply 0 with the silver ratio number, Then I should see the product as 0.
Acceptance criteria # 3	 Given that I have two numbers 1 and the silver ratio number, When I multiply 1 with the silver ratio number, Then I should see the product as 2.4142135623 which is the same as the silver ratio number.
Priority	MEDIUM
Constraints # 1	 The multiplication expression should use the number 2.4142135623 as a value of the silver ratio number, which has exactly 10 digits after the decimal point.

User Story	As a mathematician, I want to divide a certain number by the value of the silver ratio number, so that I can see what the quotient is.
Id	US7
Acceptance criteria # 1	 Given that I have two numbers 10 and the silver ratio number, When I divide 10 by the silver ratio number, Then I should see the quotient as 4.14213562386.
Acceptance criteria # 2	 Given that I have two numbers 0 and the silver ratio number, When I divide 0 by the silver ratio number, Then I should see the quotient as 0.
Priority	MEDIUM
Constraints # 1	 The division expression should use the number 2.4142135623 as a value of the silver ratio number, which has exactly 10 digits after the decimal point.

User Story	As a mathematician, I want to divide the value of the silver ratio number by a certain number, so that I can see what the quotient is.
Id	US8
Acceptance criteria # 1	 Given that I have two numbers the silver ratio number and 100. When I divide the silver ratio number by 100, Then I should see the quotient as 0.02414213562.
Acceptance criteria # 2	 Given that I have two numbers the silver ratio number and 0. When I divide the silver ratio number by 0, Then I should see the quotient as "infinity".
Priority	MEDIUM
Constraints # 1	 The division expression should use the number 2.4142135623 as a value of the silver ratio number, which has exactly 10 digits after the decimal point.