CALCULATOR

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Code :

```python
class Calculator:
    def __init__(self):
        pass

    def add(self, a, b):
        return a + b

    def subtract(self, a, b):
        return a - b

    def multiply(self, a, b):
        return a * b

    def divide(self, a, b):
        if b == 0:
            raise ValueError("Cannot divide by zero.")
        return a / b

    def power(self, base, exponent):
        """Returns the result of base raised to the power of exponent."""
        return base ** exponent

    def sqrt(self, number):
```

"""Returns the square root of a number."""

    if number < 0:

        raise ValueError("Cannot take the square root of a negative number.")

    return number ** 0.5

Output:

```
= RESTART: D:\Amrita\acm\reg\calc.py
(2+3)*4^2
22

===================== RESTART: D:\Amrita\acm\reg\calc.py =====
(22//10)^3*4
14
```