

What is the final value of the variable `result` in the following assignment statements? You must show steps for full credit and remember to follow the order of operations.

```
Dim num As Integer = 4  
Dim var As Integer = 2  
Dim result As Double = 0
```

1. `result = 4 * 3 ^ 2`

2. `result = (3 + num - 2) * var`

3. `result = (9 Mod num) * 4 + var`

4. `result = 48 / 12 * var`

5. `result = -6 + var * (2 ^ num)`

6. `result = 4 * var - (num / 2) ^ 3`