

Take Test: Quiz # 1 (16 Feb)

QUESTION 1

2 points Saved

\_\_\_\_\_ holds the data for later use.

- ☐ a. print function
- ☒ b. Variable
- ☐ c. Modulus
- ☐ d. Arithmetic expression

QUESTION 2

3 points Saved

\_\_\_\_\_ BEST represents the following expression in Python (assume that constant PI represents the value of pi):

$$4\pi^2 \frac{a^6}{p^2(r+s)}$$

- ☐ 4 \* PI\*\*2 \* a\*\*6 / p\*\*2 \* (r+s)
- ☐ (4 \* PI\*\*2) \* a\*\*6 / (p\*\*2 \* (r+s))
- ☒ 4 \* PI\*\*2 \* a\*\*6 / (p\*\*2 \* (r+s))
- ☐ (4 \* PI\*\*2) \* (a\*\*6 / (p\*\*2 \* (r+s)))

QUESTION 3

2 points Saved

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

QUESTION 4

3 points Saved

\_\_\_\_\_ is the equivalent mathematical notation of the following Python expression:  
`dm = m * (sqrt(1 + v / c) / sqrt(1 - v / c) - 1)`

☒  $d_m = m \left( \frac{\sqrt{1 + \frac{v}{c}}}{\sqrt{1 - \frac{v}{c}}} - 1 \right)$

Question Completion Status:

1 2 3 4

☐  $d_m = m \frac{\sqrt{1 + \frac{v}{c}}}{\sqrt{1 - \frac{v}{c}} - 1}$

☐  $d_m = m \frac{\sqrt{1 + \frac{v}{c}}}{\sqrt{1 - \frac{v}{c}} - 1}$

☐  $d_m = m \frac{\sqrt{1 + \frac{v}{c}}}{\sqrt{1 - \frac{v}{c}}} - 1$

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