



Congratulations! You passed!

TO PASS 75% or higher

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Practice quiz on Simplification Rules and Sigma Notation

TOTAL POINTS 6

1. Which of the numbers below is equal to the following summation: $\sum_{i=1}^3 i^2$?

1 / 1 point

☐ 30

☒ 14

☐ 1

☐ 9



Correct

We compute $\sum_{i=1}^3 i^2 = 1^2 + 2^2 + 3^2 = 14$

2. Suppose that $A = \sum_{k=1}^{100} k^4$ and $B = \sum_{j=1}^{100} j^4$

1 / 1 point

Which of the following statements is true?

☐ $A > B$

☒ $A = B$

☐ $B > A$

☐ There is not enough information to do the problem



Correct

A = B. Both summations evaluate to the same number, since k and j are just dummy indices.

3. Which of the numbers below is equal to the summation $\sum_{i=1}^{10} 7$?

1 / 1 point

☒ 70

☐ 7