

# AIME Practice Test Questions and Answers

1. Compute  $|3 - 4i|^2$ .

- A) 25
- B) 5
- C) 7
- D) 12

2. Compute  $(2+3i)(1-i)$ .

- A)  $5+i$
- B)  $2-i$
- C)  $5-i$
- D)  $-1+i$

3. Simplify  $(2+i)/(1-i)$ .

- A)  $(1+3i)/2$
- B)  $(3+i)/2$
- C)  $(1-3i)/2$
- D)  $(3-i)/2$

4. Find the sum  $1+2+3+\dots+100$ .

- A) 5050
- B) 5000
- C) 4950
- D) 5100

**Answers: 1-A 2-A 3-A 4-A**

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