

AMC 12 Practice Test Questions and Answers

1. What is $\tan(\pi/4)$?

- A) 0
- B) $\sqrt{3}$
- C) 1
- D) $1/2$

2. What is $|e^{i\pi} + 1|$?

- A) 0
- B) 1
- C) 2
- D) π

3. If $z = 1 + i$, what is z^2 ?

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

4. What is the value of $2^4 + 3^3$?

- A) $16 + 27 = 43$
- B) $16 + 27 = 44$
- C) $16 + 27 = 40$
- D) $16 + 27 = 45$

Answers: 1-C 2-A 3-B 4-A

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