

Intermediate Mathematical Concepts

Mathematics · Practice Test · 8 Questions

1. What is the value of pi (?) rounded to three decimal places?

- A) 3.140
- B) 3.141
- C) 3.142
- D) 3.145

2. In a right-angled triangle, what is the square of the hypotenuse equal to?

- A) The product of the two sides
- B) The sum of the two sides
- C) The difference of the squares of the other two sides
- D) The sum of the squares of the other two sides

3. What is the result of 2 to the power of 5?

- A) 10
- B) 25
- C) 32
- D) 64

4. Which of the following is considered a prime number?

- A) 9
- B) 21
- C) 51
- D) 67

5. How many degrees are there in the interior angles of a triangle?

- A) 90
- B) 180
- C) 270
- D) 360

6. If a linear equation is written in the form $y = mx + c$, what does 'm' represent?

- A) The y-intercept
- B) The x-intercept
- C) The slope
- D) The constant

7. What is the square root of 144?

- A) 12
- B) 14
- C) 16
- D) 18

8. What is 15 percent of 200?

- A) 20
- B) 25
- C) 30
- D) 35