

Intermediate Mathematical Concepts

Mathematics · Answer Key · 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