

Mathematics Foundations for Teens

Mathematics · Answer Key · 8 Questions

1. What is the value of Pi (?) rounded to two decimal places?

- A) 3.12
- B) 3.14**
- C) 3.16
- D) 3.18

2. What is the sum of the interior angles of a triangle in Euclidean geometry?

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

3. Which of these is the formula for the area of a rectangle?

- A) Length + Width
- B) $2 * (\text{Length} + \text{Width})$
- C) Length * Width**
- D) Length / Width

4. What is the result of 2 to the power of 4 (2^4)?

- A) 6
- B) 8
- C) 12
- D) 16**

5. In the equation $y = mx + c$, what does the letter 'm' represent?

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

6. What do you call a polygon with exactly five sides?

- A) Hexagon
- B) Heptagon
- C) Pentagon**
- D) Octagon

7. Which number is considered the only even prime number?

A) 0

B) 1

C) 2

D) 4

8. What is the square root of 81?

A) 7

B) 8

C) 9

D) 11