Mohib Khan　　　　　　　　**Hassan Shaheer**　　　　　　　　**Musadiq Balouch**

MATH Exam Paper

Subjective Questions

1. What is the Pythagorean theorem and explain its application?

Answer:

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2. Derive the quadratic formula from the general form of a quadratic equation.

Answer:

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3. Solve the following system of equations using substitution method: $2x + y = 10$ and $3x - y = 5$.

Answer:

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4. Describe the difference between permutations and combinations.

Answer:

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5. What is the fundamental theorem of algebra?

Answer:

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6. Find the derivative of the function f(x) = x^3 + 5x^2 - 2x + 7.

Answer:

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7. Formula of circle?

Answer:

MCQ Questions

8. What is 2 + 2?

a) 4   b) 5

c) 6   d) 7

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9. What is 12 / 4?

a) 2   b) 3

c) 4   d) 5

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10. What is 9 + 10?

    a) 18   b) 19

    c) 20   d) 21