***ФИ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Класс\_\_\_\_\_\_***

***Контрольная работа №3***

***по теме*** «Решение тригонометрических уравнений»

Вариант 1

**Часть А**

1. Вычислить: arcsin 1+ arccos 0.

**А**. . **Б**. . **В.** 0. **Г**. -.

2. Решите уравнение 2 = 0.

**А**. + **Б**.

**В.** . **Г**.

3. Решите уравнение - 2 = 0

**А**. (-1)n + **Б**. (-1)n +

**В.** к. **Г**.

4. Найдите решение уравнения tg(х - ) =

**А**. + **Б**. +

**В.**  **Г**.

5. Решите уравнение (tgх + 1)(сtgх-3) = 0

**А**. +

**Б**. +

**В.**

**Г**.

**Часть В**

1. Вычислите:

2 arcsin(- +3arccos + arctg =

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1. Решите уравнение

+ - 3 = 0

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1. Найдите корни уравнения

- 5 - 6 = 0

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Количество правильных ответов \_\_\_\_\_\_\_

Оценка \_\_\_\_\_\_\_\_

***ФИ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Класс\_\_\_\_\_\_***

***Контрольная работа №3***

***по теме*** «Решение тригонометрических уравнений»

Вариант 2

**Часть А**

1. Вычислить: arccos (-1) - arcsin (-1).

**А**. . **Б**. . **В.** 0. **Г**. .

2. Решите уравнение - 1= 0.

**А**. (-1)n + **Б**.

**В.** (-1)n+1 + . **Г**.

3. Решите уравнение 2 = 0

**А**. + **Б**. +

**В.** . **Г**.

4. Найдите решение уравнения tg2х = -1

**А**. + **Б**. +

**В.**  **Г**.

5. Решите уравнение (tgх - 5)(сtgх+) = 0

**А**. +

**Б**. +

**В.**

**Г**.

**Часть В**

1. Вычислите:

3arcsin( +2arccos + arctg =

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1. Решите уравнение

+ 3 - 2 = 0

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1. Найдите корни уравнения

- 7 + 2 = 0

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Количество правильных ответов \_\_\_\_\_\_\_

Оценка \_\_\_\_\_\_\_\_

***ФИ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Класс\_\_\_\_\_\_***

***Контрольная работа №3***

***по теме*** «Решение тригонометрических уравнений»

Вариант 3

**Часть А**

1. Вычислить: arcsin(- 1)+arccos .

**А**. . **Б**. . **В.** 0. **Г**. -.

2. Решите уравнение 2 = 2.

**А**. + **Б**.

**В.** . **Г**.

3. Решите уравнение 2 - = 0

**А**. (-1)n + **Б**. (-1)n +

**В.** к. **Г**.

4. Найдите решение уравнения tg( ) =

**А**. + **Б**. +

**В.**  **Г**.

5. Решите уравнение (tgх - 1)(3сtgх+1) = 0

**А**. +

**Б**. +

**В.**

**Г**.

**Часть В**

1. Вычислите: 3 arcsin +4arccos + 3arctg =

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1. Решите уравнение

+ + 5 = 0

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1. Найдите корни уравнения

- 3 - 2 = 0

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Количество правильных ответов \_\_\_\_\_\_\_

Оценка \_\_\_\_\_\_\_\_

***ФИ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Класс\_\_\_\_\_\_***

***Контрольная работа №3***

***по теме*** «Решение тригонометрических уравнений»

Вариант 4

**Часть А**

1. Вычислить: arccos (-1) - arcsin 1.

**А**. . **Б**. . **В.** 0. **Г**. .

2. Решите уравнение - = 0.

**А**. (-1)n + **Б**.

**В.** (-1)n+1 + . **Г**.

3. Решите уравнение 2 = 0

**А**. + **Б**. +

**В.** . **Г**.

4. Найдите решение уравнения tg(х+ )= 1

**А**. + **Б**. +

**В.**  **Г**.

5. Решите уравнение (tgх + 6)(3сtgх ) = 0

**А**. +

**Б**. +

**В.**

**Г**.

**Часть В**

1. Вычислите:

3arcsin( +2arccos - 4arctg1 =

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1. Решите уравнение

+ - 1 = 0

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1. Найдите корни уравнения

+ 7 + 4 = 0

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Количество правильных ответов \_\_\_\_\_\_\_

Оценка \_\_\_\_\_\_\_\_