**Итоговая контрольная работа по алгебре**

**обучающего(ей)ся 8 класса**

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**Вариант 1**

Часть А

*К каждому заданию этой части даны 4 варианта ответа, из которых только один верный. Запишите цифру, которая обозначает номер выбранного ответа*

**A1. Решите неравенство** https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_1_20.png

1)(-20 ; +∞)2) (- ∞ ; 20]3) [ 20 ; + ∞)4) ( - ∞ ; -20 )

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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**A2.** **Укажите решение неравенства:**  https://xn--j1ahfl.xn--p1ai/data/images/u184440/t1519123817ac.png

1)(2,5 ; +∞)2) (- ∞ ; 2,5]3) [ 2,5 ; + ∞)4) ( - ∞ ; 2,5 )

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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**A3. Соотнесите квадратные уравнения и их корни:**

**А) https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_1_28.png= 1 https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_1_29.png= -13 Б)https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_1_30.png В) https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_1_28.png= 0 https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_1_29.png= 7**

**1) https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_1_25.png2) https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_1_26.png**

**Ответ:**

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| **А** | **Б** | **В** |
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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Часть B

*К каждому заданию этой части записать краткий ответ*

**.**

**В1. Решите уравнение: https://xn--j1ahfl.xn--p1ai/data/images/u184440/t1519123817ab.png. Если корней несколько, то в ответ запишите наибольший из корней.**

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**В2. Решите уравнение:***x+4=2x-1*

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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**В3. Найдите отрицательный корень уравнения https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_0_32.png**

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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**B4. Решите систему уравнений: https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_0_18.pngВ ответе укажите сумму x+y.**

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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Часть С

*В задании части С приведите полное решение*

**С 1. Сумма двух чисел равна 20, а их произведение равно 96. Найдите эти числа.**

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| Решение |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**С2. Найдите значение выражения при х=3:** https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_0_33.png

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| Решение |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**С3. Решите уравнение**

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| Решение |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Шкала оценивания итогового теста за 8 класс:** задания **части А** -1 балл, задания **части В** -2 балла, **С**-3 балла. Максимальный балл - модуль «Алгебра» -22

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| --- | --- | --- | --- |
| **оценка «2»** | **оценка «3»** | **оценка «4»** | **оценка «5»** |
| **Модуль «Алгебра»** | | | |
| **0-5** | **6-10** | **11-15** | **16-20** |

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|  | **Общее количество баллов** | **Оценка** |
| **Модуль «Алгебра»** |  |  |

**Итоговая контрольная работа по алгебре**

**обучающего(ей)ся 8 класса**

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**Вариант 2**

Часть А

*К каждому заданию этой части даны 4 варианта ответа, из которых только один верный. Запишите цифру, которая обозначает номер выбранного ответа*

**A1. Решите неравенство**  https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_0_19.png

1)(-11 ; +∞)2) (- ∞ ; 11]3) [ -11 ; + ∞)4) ( - ∞ ; 11 )

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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**A2.** **Укажите решение неравенства:   https://xn--j1ahfl.xn--p1ai/data/images/u184440/t1519123817aj.png**

1. ( - ∞ ; 3,5 ) 2) [ 3,5 ; + ∞) 3)( - ∞ ; 3,5 ] 4) ( 3,5 ; + ∞)

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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**A3. Соотнесите квадратные уравнения и их корни:**

**А) https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_0_27.png= 1 https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_0_28.png= -6 Б)https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_0_27.png = 0 https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_0_28.png= 2 В) x = 3**

**1) https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_0_24.png2) https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_0_25.png**

**Ответ:**

|  |  |  |
| --- | --- | --- |
| А | Б | В |
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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Часть B

*К каждому заданию этой части записать краткий ответ*

**В1. Решите уравнение: https://xn--j1ahfl.xn--p1ai/data/images/u184440/t1519123817ai.png. Если корней несколько, то в ответ запишите наименьший из корней.**

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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**В2. Решите уравнение:***x+6=2x-3*

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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**В3. Найдите отрицательный корень уравнения**  https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_1_34.png

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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**B4. Решите систему уравнений:** https://arhivurokov.ru/kopilka/uploads/user_file_559566e67dafc/user_file_559566e67dafc_1_19.png**В ответе запишите сумму**

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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Часть С

*В задании части С приведите полное решение*

**С1. Разность двух положительных чисел равна 20, а их произведение равно 96. Найдите эти числа.**

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| Решение |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**С2. Найдите значение выражения при х=2:**

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| Решение |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**С3. Решите уравнение**

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| Решение |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Ответ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Шкала оценивания итогового теста за 8 класс:** задания **части А** -1 балл, задания **части В** -2 балла, **С**-3 балла. Максимальный балл - модуль «Алгебра» -22

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| **оценка «2»** | **оценка «3»** | **оценка «4»** | **оценка «5»** |
| **Модуль «Алгебра»** | | | |
| **0-5** | **6-10** | **11-15** | **16-20** |

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|  | **Общее количество баллов** | **Оценка** |
| **Модуль «Алгебра»** |  |  |