**Контрольная работа № 4**

**Введение в алгебру**

обучающего(й)ся 7б класса\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Дата \_\_\_\_\_\_\_\_\_\_\_\_

***Инструкция по выполнению работы***

На выполнение работы по математике даётся 40 минут. Работа содержит 5 заданий.

В заданиях, после которых есть поле из клеток, запишите решение и ответ.

Если Вы хотите изменить ответ, зачеркните его и запишите рядом другой.

При выполнении работы нельзя пользоваться учебниками, рабочими тетрадями, справочниками, калькулятором.

При необходимости можно пользоваться черновиком. Записи в черновике проверяться и оцениваться не будут.

Советуем выполнять задания в том порядке, в котором они даны. Для экономии времени пропускайте задание, которое не удаётся выполнить сразу, и переходите к следующему. Постарайтесь выполнить как можно больше заданий.

***Желаем успеха!***

Таблица для внесения баллов участника

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Номер  задания | 1 | 2 | 3 | 4 | 5 | Сумма  баллов | Отметка  за работу |
| Баллы |  |  |  |  |  |  |  |
| Количество баллов,  которые можно получить  за задание | 1 | 2 | 2 | 1 | 1 | 7 | За 3 балла – «3»;  за 4 – 5 баллов – «4»;  за 6 – 7 баллов – «5» |

**Вариант 1**

1. Упростите произведение: 3a **.** (- 5b) **.** (- 2c)

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2. Приведите подобные слагаемые: а) 12х + 5х – 4х; б) у – 6а – 10у + 9а + 4у

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3. Упростите выражение (*раскройте скобки, приведите подобные слагаемые)*:

а) 8р + 2 – (5 – 7р) – 4р; б) – 2(х – 3у) + 3х + у

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4. Найдите значение выражения: 2а + 3 – 4b при а = - 3; b = 0

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5. Приведите подобные слагаемые: ху + 3уz – 2ху - уz

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**Контрольная работа № 4**

**Введение в алгебру**

обучающего(й)ся 7б класса\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Дата \_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- | --- | --- | --- | --- | --- | --- |
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| Баллы |  |  |  |  |  |  |  |
| Количество баллов,  которые можно получить  за задание | 1 | 2 | 2 | 1 | 1 | 7 | За 3 балла – «3»;  за 4 – 5 баллов – «4»;  за 6 – 7 баллов – «5» |

**Вариант 2**

1. Упростите произведение: 10a **.** (- 7b) **.** (- 3c)

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2. Приведите подобные слагаемые: а) 15х + 5х – 11х; б) у + 6а + 10у - 9а - 4у

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3. Упростите выражение (*раскройте скобки, приведите подобные слагаемые)*:

а) 8р - 2 + (22 – 4р) + 4р; б) – 5(6х – у) + х + у

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4. Найдите значение выражения: 5а + 2 + 44b при а = - 3; b = 0

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5. Приведите подобные слагаемые: 7ху + 3уz – 4ху + уz

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