**Итоговая контрольная работа за курс 7 класса.**

**Пояснительная записка.**

Цель: контрольная работа проводится с целью установления уровня подготовки обучающихся по математике за 7 класс и установления уровня готовности к обучению в 8 классе.

Темы, по которым проводится контроль:

;

* Правила приведения подобных слагаемых;
* Вынесение общего множителя за скобки;
* Свойства степени с натуральным показателем;
* Формулы сокращённого умножения;
* Свойства геометрических фигур;
* Способ группировки;
* Нахождение точек пересечения графиков функций алгебраическим методом;
* Решение уравнений с помощью формул сокращённого умножения;
* Решение системы линейных уравнений;
* Свойства углов, полученных пересечением двух прямых.

Структура контрольной работы.

Контрольная работа включает в себя 11 заданий.

1. 8 задания базового уровня, за каждый верно данный ответ обучающийся получает 1 балл.

9 - 11 задания - задание повышенного уровня, на которые необходимо привести полное развёрнутое решение (2 балла).

Максимальное количество баллов- 14.

Критерии:

80-100% (12-14 баллов) - "5"

60-79% (8-11 баллов) - "4"

40-59% (4 -7 баллов) - "3"

Менее 40 % (менее 4 баллов) - "2"

***Итоговая контрольная работа по математике за 20\_\_-20\_\_ учебный год***

***ученика(цы) 7 \_\_\_\_ класса***

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**Вариант 1**

**1. Упростите:** 5(2а + 1) – 3

Ответ:

**2. Вынесите общий множитель за скобки **

Ответ:

**3. Упростите выражение: **

Ответ:

**4. Упростите выражение** .

Ответ:

**5. Решите уравнение:**

Ответ:

**6. Боковая сторона равнобедренного треугольника на 8 см меньше основания. Найдите стороны треугольника, если известен периметр треугольника 44 см.**

Ответ:

**7. Представьте многочлен в виде произведения **

Ответ:

**8. Вычислите координаты точки пересечения прямых** *2х + 3у = – 12* **и** *4х – 6у = 0*

Ответ:

**9. Решите уравнение: **

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| Решение: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Ответ: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**10. Решите систему уравнений: **

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| Решение: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Ответ: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**11. Один из смежных углов в 2 раза больше другого. Найдите больший смежный угол.**

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| Решение: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Ответ: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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***Итоговая контрольная работа по математике за 20\_\_-20\_\_ учебный год***

***ученика(цы) 7 \_\_\_\_ класса***

***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Ф.И.О.)***

**Вариант 2**

**1. Упростите:** 3(4х + 2) – 5

Ответ:

**2. Вынесите общий множитель за скобки** 

Ответ:

**3. Упростите выражение:** 

Ответ:

**4. Упростите выражение**

Ответ:

**5. Решите уравнение:**

Ответ:

**6. Основание равнобедренного треугольника на 5 см больше боковой стороны. Найдите стороны треугольника, если известен периметр треугольника 35 см.**

Ответ:

**7. Представьте многочлен в виде произведения** 

Ответ:

**8. Вычислите координаты точки пересечения прямых** *х + 3у = – 12* **и** *4х – 6у =– 12*

Ответ:

**9. Решите уравнение:** 

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| Решение: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Ответ: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**10. Решите систему уравнений:** 

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| Решение: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Ответ: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**11. Один из смежных углов в 4 раза больше другого. Найдите больший смежный угол.**

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| Решение: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Ответ: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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