**ДЕМОНСТРАЦИОННЫЙ ВАРИАНТ**

**Муниципальное бюджетное общеобразовательное учреждение –**

**лицей №18 г. Орла**

диагностическая работа в ходе промежуточной аттестации по математике

Ученика(цы) 6 «\_\_\_» класса

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имя фамилия

**1.**  Вычислите: .

Ответ:

**2.** Найдите значение выражения при .

Ответ:

**3.** Раскройте скобки и найдите значение выражения:

Ответ:

**4.** На заправочной станции в январе бензин стоил 40 рублей за литр. К июлю цена на бензин выросла на 7%, а к ноябрю выросла ещё на 5%. Сколько рублей стоил литр бензина в ноябре? Запишите решение и ответ.

Ответ:

**5.** Решите уравнение: .

Решение запишите.

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| Решение. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**6.** Вычислите. Решение запишите.

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| Решение. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**7.** Отметьте на координатной плоскости точки А(2; 6), В(–5; –3), С(–6; 4), D(2;–2). Проведите прямые AC и BD, отметьте точку их пересечения. Запишите координаты этой точки.



Ответ:

**Критерии оценивания.**

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| Задание | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Балл | 1 | 1 | 1 | 1 | 2 | 2 | 1 |

Отметка:

«5» – 9 баллов

«4» – 7-8 баллов

«3» – 4-6 балла

«2» – 0-3 балла

**Ответы.**

|  |  |
| --- | --- |
| № задания | Ответ |
| 1 | -5,5 |
| 2 | 29 |
| 3 |  или 5,5 |
| 4 | 44,94 руб |
| 5 |  |
| 6 |  |
| 7 | (–2; 1) |