Paper 2

July 11, 2024

1. From $2x^2 - 3x + 1$, subtract $x^2 + 2x + 2$

2. Evaluate $(x^2 - x + 1)(x + 1)$

3. Find the greatest common divisor of 12 and 18.

4. Is 12211221 divisible by 11?

5. What for d is $2922d2$ divisible by 18?

6. Find $(3x + 2y)^2$

7. Find $1 + 2 + 3 + \cdots + 99 + 100$

8. Evaluate $693X1587 - 692X1587$

9. Express $5^{17} + 5^{17} + 5^{17} + 5^{17} + 5^{17}$ as a power of 5.

10. Solve for x: $2x + 4 = 3x - 4$