

# 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 2922 $d$ 2 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  $x$ :  $2x + 4 = 3x - 4$