

THE ART FORGER'S CASE FILE:

Coded Canvas Analysis

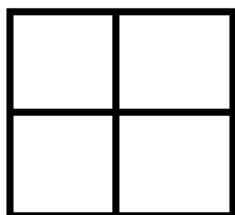
SM2 2-7 Factoring when a not 1 with Tiles

Operative, this case file contains the analysis of several masterpieces believed to be forgeries. Each canvas has a 'scrambled signature' (a trinomial) hidden in the paint. Your mission is to use your Cipher Disk skills to decrypt these signatures and reveal the forger's true, factored identity. The security of the art world depends on you.



Case File #1 Factor: $3x^2 + 17x + 10$

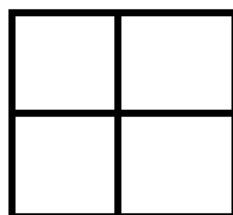
Decryption Grid



Forger's True Signature ()()

Case File #2 Factor: $2x^2 + 19x + 35$

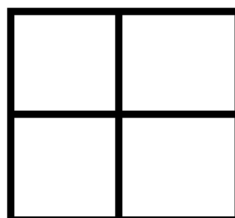
Decryption Grid



Forger's True Signature ()()

Case File #3 Factor: $5x^2 + 16x + 3$

Decryption Grid



Forger's True Signature ()()

Case File #4 Factor: $2x^2 + 13x + 18$

Decryption Grid



Forger's True Signature ()()

Case Files #5 Factor: $x^2 + x$

Decryption Grid



Forger's True Signature ()()

Case File #6 Factor: $3x^2 + 13x + 14$

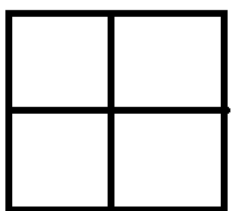
Decryption Grid



Forger's True Signature ()()

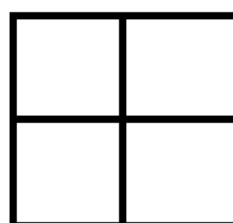
Case File #7 Factor: $2x^2 + 13x + 11$

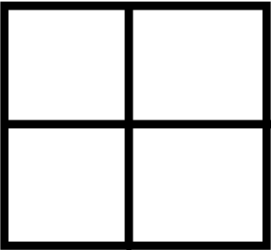
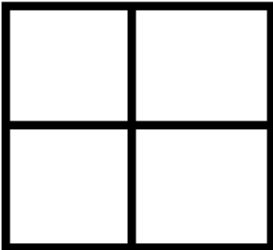
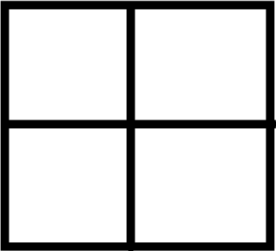
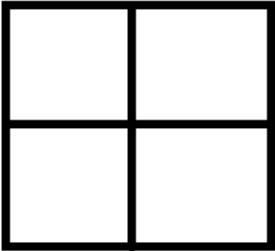
Decryption Grid



Case File #8 Factor: $4x^2 + 17x + 15$

Decryption Grid



Forger's True Signature ()()	Forger's True Signature ()()
Case File #9 Factor: $2x^2 - 6x - 20$ Decryption Grid  Forger's True Signature ()()	Case File #10 Factor: $-3x^2 + 24x - 21$ Decryption Grid  Forger's True Signature ()()
Case File #11 Factor: $5x^2 + 30x + 40$ Decryption Grid  Forger's True Signature ()()	Case File #12 Factor: $-2x^2 + 2x + 24$ Decryption Grid  Forger's True Signature ()()
Case File #13 Factor: $2x^2 - 18$  Forger's True Signature ()()	Case File #14 Factor: $4x^2 - 20x + 24$  Forger's True Signature ()()
Case File #15 Factor: $4x^2 - 5x - 6$  Forger's True Signature ()()	Case File #16 Factor: $4x^2 - 20x$  Forger's True Signature ()()