PART TWO

Euclid's Algorithm

1) GCD of (42, 56)

56	42	1	14
42	14	3	0

GCD = 14

2) Show 35 & 19 are relatively prime.

$19 \overline{)35} \; 1$

19

16

~~35 = 19~~ $\Rightarrow 35 = 19 \times 1 + 16$

$19 = 16 \times 1 + 3$

$16 = 3 \times 5 + 1$

Thus HCF of 35, 19 is 1 we have proved that they are prime.