Q1

(Z/153 Z/* (·)

lars la nombres co-premus avec 153.

$$\Phi\left(153\right) = \Phi\left(3^2 \cdot 17\right)$$

$$= 36+60 = 96$$

$$\left[E_{2}^{2}\right]_{m}=c_{2}$$

grape 2/(Sn+1) Z*, donc ce grape un forment distribué 4 6 8 10 $H(S_n | S_{n-1})$ $= S_n = 1$ $= S_n = 1$ $8' \quad S_{n-1} = 3 \quad \frac{1}{8} \quad \times 2'$ = 7 = 1 " * 4" = 9 = 1 " 4" = S: 16 " x 4"
= 1, 1/4 " x 11

$$ps_{n}(3) = ps_{n-1}(s) - \frac{1}{4}$$

$$+ ps_{n-1}(3) - \frac{1}{2}$$

$$+ ps_{n-1}(7) - \frac{1}{4}$$

ed +
$$k\phi(m) = 1$$

$$\varphi(pq) = (p-1)(q-1) = 52.6.10$$

$$123-90$$
 $13-5=6-15$
 $= 3-12-10$
 $= 2460 \ D660$
 $= 3-120$

$$(3120, 123)$$

$$(123, 45)$$

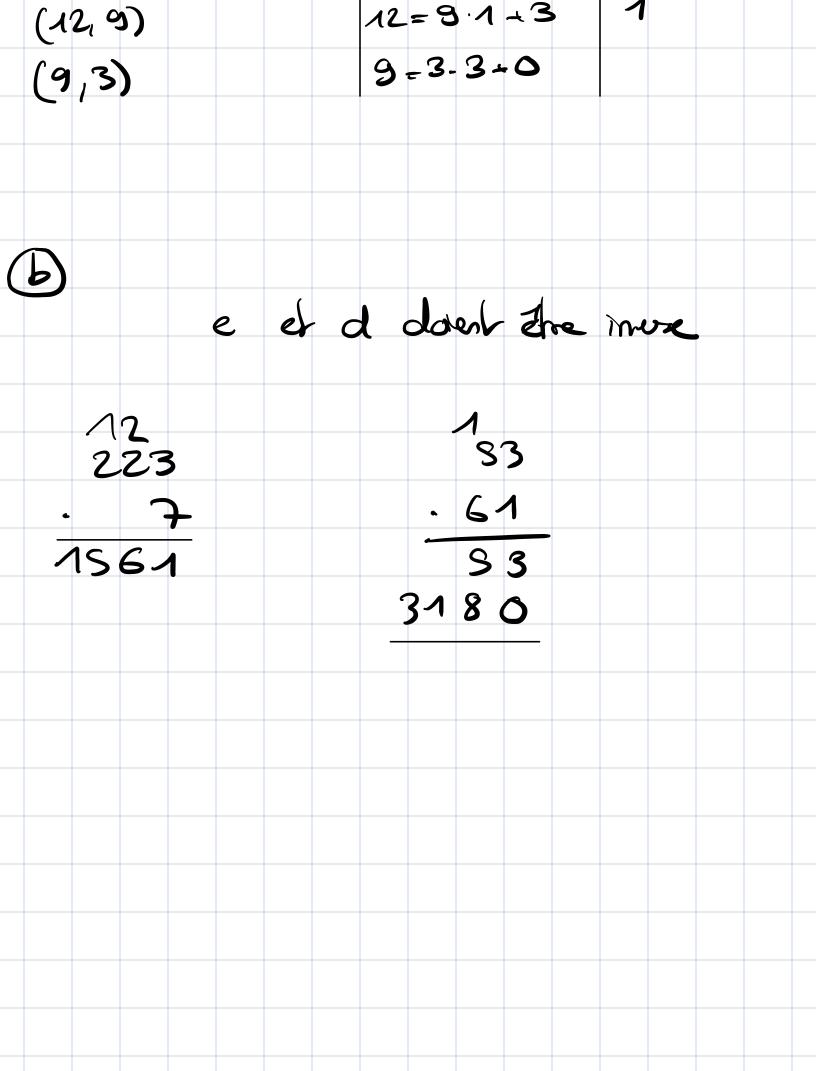
$$(123, 45)$$

$$(10, 22, 4, 42)$$

$$(10, 22, 4, 42)$$

$$(4S, 33) \qquad (4S = 33.1 + 12) \qquad 4$$

$$(33, 12) \qquad 33 = 12.2 + 9 \qquad 2$$



C)
$$\frac{319}{23}$$
 $\frac{2180}{6360}$ $\frac{2}{6360}$ $\frac{2}{6360}$ $\frac{2}{6360}$ $\frac{2}{6380}$ $\frac{2}{6380}$

mod S

$$0.1234$$
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