1. Adleman
2. Peter Shor

1. $1 = 13x + 10y$

$13 = 10 \cdot 1 + 3 \rightarrow 13 + (-10)(1) = 3$

$10 = 3 \cdot 3 + 1$

$3 = 3 \cdot 1 + 0$

$1 = 1 \cdot$

$1 = (1 \cdot 10) + (-3 \cdot 3)$

$1 = (1 \cdot 10) + (-3)(13 + (-10))$

$1 = (1 \cdot 10) + -3 \cdot 13 + 3(10)$

$1 = 4 \cdot 10 + (-3) \cdot 13$

$x = -3, y = 4$

give the Chasier 4 - 10 dollar coins and they give back 3 - 13 dollar coins