

(10). Assume that $a+bi$ is the greatest common divisor, then

$$a^2+b^2 \mid 14^2+2^2 \quad \& \quad a^2+b^2 \mid 21^2+26^2$$

$$\Rightarrow a^2+b^2 \mid 200 \quad \& \quad a^2+b^2 \mid 1117$$

Note that 1117 is a prime, so $a^2+b^2=1$ or 1117 . Note that $a^2+b^2 \leq 200$. So $a^2+b^2=1$, which means the greatest common divisor are $1, -1, i, -i$.