NUMBER THEORY: CLASS 19

1. Exercise

1) Evaluate $\phi(100)$, $\sigma(210)$ and $\tau(63)$.

2) Prove that $\phi(n)$ is even if $n > 2$.

3) Find n such that $\phi(n) = 12$.

4) Find infinitely many integers n for which $10 | \phi(n)$.