(1) $p = x^2+y^2$

$p \equiv 1(mod4)$

$p \acute{\circ} \equiv 3(mod4)$

(2) $p|(p-1)!+1$

(3) $\phi(n)/n = n/log(n)$

(4) $\sum L_1 = 1$

(5) $\sum L_n = F_{n-1}+F_{n+1}$

(6) $T(p_i, p_j) si |p_i - p_j| = 2$

(7) $a^{\phi(m)} \equiv 1(modm)$

(8) $\phi(ab) = \phi(a) * \phi(b) * \frac{d}{\phi(d)}$

(9) $a^2-b^2|8$

(10) $n/(n-1)/(n-2).../1 = \frac{n^2}{n!}$

(11) $n(n^2-1)(3n+2)|24$

(12) $\sum i^2 = \frac{n(n+1)(2n+1)}{6}$

(13) $\sum x^i = \frac{x^n - 1}{x - 1}$

(14) $\sum x^3 = (\sum x)^2$

(15) $1*2+2*3+3*4+4*5... = \frac{n(n+1)(n+2)}{3}$

(16) $\sum F_i = F_(n+2)-1$

(17) $a = n^2-m^2$

(18) $b = 2mn$

(19) $c = m^2+n^2$