

T-PC

SecP-6

Simplify Expressions w/ i

① $(2+6i)-(4+3i)$ ② $(8-7i)+(-5-i)$ ③ $(5+3i)(6-i)$

④ $(-4-3i)(7-2i)$ ⑤ $i^3(4i-i^2)$ ⑥ $\frac{4+5i}{1+i}$ ⑦ $\frac{3+5i}{2i}$

⑧ $\frac{3}{4-i}$ ⑨ Find the product of
the # + its complex conjugate
a) $2+3i$ b) $-2i$

⑩ i^{506} ⑪ i^{1492} ⑫ $((i^2)^3)^4)^5$
