

T/PC

P.6, P.7 DI

P.6 Simplifying Expressions w/ i

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

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

⑧ Find the product of complex # and its conjugate

a) $2+3i$

b) $-2i$

⑨ i^{506}

P.7 Solving Absolute Value Inequalities

Solve each inequality. Express answer in interval notation.

⑩ $|x+3| > 9$ ⑪ $3|2x-1| > 21$ ⑫ $3|5x-1|+9 \leq 23$

⑬ $\frac{1}{4}|x-3|+2 < 1$ ⑭ $|6y-2|+4 < 22$ ⑮ $|3x|-4 > 8$