$i = i \quad (\sqrt{-1})$
$i^2 = -1$
$i^3 = -i$
$i^4 = 1$

CW # 5, 7, 13, 14, 26, 29, 35

5) $(2 - i) + (3 - \sqrt{-3})$ $\quad \sqrt{3}\cdot\sqrt{-1}$

$2 - 1i + 3 - \sqrt{3}\,i$

$5 - 1 - \sqrt{3}\,i$

$\boxed{5 - (1+\sqrt{3})i}$

7) $(i^2 + 3) - (7 + i^3)$

$(-1 + 3) - (7 - i)$

$2 - 7 + i$

$\boxed{-5 + i}$

13) $(7i - 3)(2 + 6i)$

$14i + 42i^2 - 6 - 18i$

$42(-1)$

$14i - 42 - 6 - 18i$

$\boxed{-48 - 4i}$

14) $(\sqrt{-4} + i)(6 - 5i)$

$(2i + i)$

$3i(6 - 5i)$

$18i - 15i^2$

$-(15)(-1)$

$\boxed{15 + 18i}$

26) $(1 - i)^3 = (1 - i)(1 - i)(1 - i)$

$1 - i - i + i^2$ $\quad (1 - i)$

$-2i \quad (1 - i) = -2i + 2i^2$

$(+2)(-1)$

$\boxed{-2 - 2i}$

29) $(2 - 3i)(2 + 3i)$

$4 + 6i - 6i - 9i^2$

$-9(-1)$

$4 + 9 = \boxed{13}$

mult N & D by conjugate of D

35) $\frac{(2+i)}{(2-i)}\frac{(2+i)}{(2+i)} = \frac{4+2i+2i+i^2}{4+2i-2i-i^2} = \frac{3+4i}{4+1}$

$i^2 = -1$

$-(-1)$

$\frac{3+4i}{5}$

$= \boxed{\frac{3}{5} + \frac{4}{5}i}$

$a + bi$