The homework is to complete the even problems 2 – 22.

CR/Algebra 2

Complex #s

Name_____

Date_____ Period_____

Simplify.

1) $(-5 - i) - (1 + 8i)$

$-5 - i - 1 - 8i$

$\boxed{-6 - 9i}$

2) $(-2 + 6i) + (1 - 8i)$

3) $(2 - 8i) - (5 - 8i)$

$2 - 8i - 5 + 8i$

$\boxed{-3}$

4) $(5 - i) - (5 + 4i)$

5) $(-7i) - 3 - (-5 + 2i)$

$-7i - 3 + 5 - 2i$

$\boxed{2 - 9i}$

6) $-5 - (1 - 5i) - 3$

7) $3 - (-7 - 2i) - (5i)$

$3 + 7 + 2i - 5i$

$\boxed{10 - 3i}$

8) $(3 - 6i) - (-7 - 6i)$

9) $(-1 - i) + (-4 - 6i)$

$\boxed{-5 - 7i}$

10) $(-6 - 3i) + (-3 + 6i)$

11) $(-4 + i) - (-2 - 5i)$

$-4 + i + 2 + 5i$

$\boxed{-2 + 6i}$

12) $(4 - 8i) + (i) - (-1 + 3i)$

13) $-5 + (-7 - 7i) + (-7 - 2i)$

$-5 + -7 - 7i - 7 - 2i$

$\boxed{-19 - 9i}$

14) $2 + (-8 - 7i) + (8 - 8i)$

15) $7 + (-5 - 5i) - (-4 - 8i)$

$7 + -5 - 5i + 4 + 8i$

$\boxed{6 + 3i}$

16) $(3 + 6i) - (6 + 4i) + (6i)$

17) $(-8 - 2i) - (-5 + 8i) + (i)$

$-8 - 2i + 5 - 8i + i$

$\boxed{-3 - 9i}$

18) $(1 - 3i) + (1 + 7i) + (-8 + 8i)$

19) i^{17}

$4\sqrt{17}$

$\frac{16}{①}$

i^1

20) i^{75}

21) i^{112}

$4\sqrt{112}$

$\frac{28}{}$

$\frac{8}{32}$

$\frac{32}{⓪}$

22) i^{86}

-1-