Math 2   Name_____

PRACTICE Quiz 5.1 & 5.2

Simplify. If the answer comes out as fractions, then write as 1 fraction, (not 2 fractions).

1) $7 - (4 + 3i)$

2) $6 - (-2 - 3i) - (4i)$

3) $(8 + 5i) + (5i) + (-6 - 5i)$

4) $4(-8i)$

5) $(-2i)(-3i)(5 + 4i)$

6) $(7 - 8i)(3 + 7i)(-8 - 4i)$

7) $(-7i)^3$

8) $(-6 - 7i) - (2 - 4i)$

9) $3(7 - 7i)(-7 + 6i)$

10) $-\dfrac{8}{10i}$

11) $\dfrac{2 + 3i}{-7i}$

12) $\dfrac{-2 + 2i}{-6 - 8i}$

Math 2   Name_____

PRACTICE Quiz 5.1 & 5.2

Simplify. If the answer comes out as fractions, then write as 1 fraction, (not 2 fractions).

1) $7 - (4 + 3i)$

$3 - 3i$

2) $6 - (-2 - 3i) - (4i)$

$8 - i$

3) $(8 + 5i) + (5i) + (-6 - 5i)$

$2 + 5i$

4) $4(-8i)$

$-32i$

5) $(-2i)(-3i)(5 + 4i)$

$-30 - 24i$

6) $(7 - 8i)(3 + 7i)(-8 - 4i)$

$-516 - 508i$

7) $(-7i)^3$

$343i$

8) $(-6 - 7i) - (2 - 4i)$

$-8 - 3i$

9) $3(7 - 7i)(-7 + 6i)$

$-21 + 273i$

10) $-\dfrac{8}{10i}$

$\dfrac{4i}{5}$

11) $\dfrac{2 + 3i}{-7i}$

$\dfrac{2i - 3}{7}$

12) $\dfrac{-2 + 2i}{-6 - 8i}$

$\dfrac{-1 - 7i}{25}$