Math II Name_____ ID: 1

Add, Subtract and Multiply Complex Numbers

Date_____ Period____

Simplify. State if the solution is Wholly Real, Wholly Imaginary or has BOTH Real AND Imaginary Parts.

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

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

3) $(-1 + 4i) - 4 + 5$

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

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

6) $(-2 - 2i) + (-5 - 3i)$

7) $(1 - i) - (2 - i)$

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

9) $(1 - i) - (3 - 4i)$

10) $(-5 + 5i) - (-5 + 4i)$

11) $(-5 - 3i)(5 + 5i)$

12) $(-5 + i)(-1 + 5i)$

13) $(-2 + 5i)(-5 - 4i)$

14) $(2 + 5i)(-4 - 5i)$

15) $(5 + 3i)(1 - 2i)$

16) $(-3 + i)(1 - 3i)$

17) $(3 + 3i)(4 - 4i)$

18) $(1 + i)(-5 + 5i)$

19) $(-3 + 4i)(-3 + 2i)$

20) $(4 - i)(-3 - 5i)$