

Name : _____

Multiplying Complex Numbers

Sheet 2

Simplify.

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

2) $(8 + 2i)(9i + 1)(2 + i)$

3) $(3\sqrt{5} - i)(7i)$

5) $(10i)(-15i)$

7) $(-\sqrt{-1} + 2)(-4$

9) $(-8 - i)(12 + 9i)$

10) $(8i - 7)(1 - 3i)$

5i)

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Multiplying Complex Numbers

Simplify.

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

$9 + 33i$

2) $(8 + 2i)(9i + 1)(2 + i)$

$-94 + 138i$

3) $(3\sqrt{5} - i)(7i)$

$7 + 21\sqrt{5}i$

5) $(10i)(-15i)$

150

7) $(-\sqrt{-1} + 2)(-4 - 5i)$

$72 + 4i$

$-126 - 36i$

9) $(-8 - i)(12 + 9i)$

$-87 - 84i$

10) $(8i - 7)(1 - 3i)$

$17 + 29i$

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