

Name : _____

Complex Numbers

Sheet 2

Simplify.

1) $(\sqrt{-4} - \sqrt{4}) + (8i - 4)(-7)$

2) $\frac{10 + 2i}{3i}$

3) $\frac{1}{13i} + 4 + (2i -$

PREVIEW

$- 3(1 + 5i)$

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5) $(\sqrt{-8})(6 - 9i)$

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7) $(11 - 6i) - 8i + \left(\frac{i + 4}{5}\right)$

8) $(-7) - (i - 7)(-16 + 3i)$

Complex Numbers

Simplify.

1) $(\sqrt{-4} - \sqrt{4}) + (8i - 4)(-7)$

$26 - 54i$

2) $\frac{10 + 2i}{3i}$

$\frac{2}{3} - \frac{10}{3}i$

3) $\frac{1}{13i} + 4 + (2i -$

$-5 + \frac{25}{13}i$

PREVIEW

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5) $(\sqrt{-8})(6 - 9i)$

$18\sqrt{2} + 12\sqrt{2}i$

7) $(11 - 6i) - 8i + \left(\frac{i + 4}{5}\right)$

$\frac{59}{5} - \frac{69}{5}i$

8) $(-7) - (i - 7)(-16 + 3i)$

$-116 + 37i$