Name:

Date:

Adding and Subtracting Complex Numbers

Simplify.

1) $(i) + (3i) =$

2) $(15i) - (7i) =$

3) $(-5 + 15i) - (-3 + 3i) =$

4) $-8 + (2i) + (-8 + 6i) =$

5) $(-6i) - (6i) =$

6) $(-5 + 3i) - (4 - 5i) =$

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

8) $(-1 + i) - (-7 + 4i) - 5 =$

9) $(-7i) - (3i) =$

10) $(i) + (8 - i) =$

11) $(-5 - 3i) - (-6 + 8i) =$

12) $(-1 + i) - (-3 - 11i) =$

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

14) $(-6 + 6i) - (-5 + i) =$

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QUIZ ?

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Name:

Date:

Adding and Subtracting Complex Numbers

Answers

Simplify.

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

2) $(15i) - (7i) =$
$8i$

3) $(-5 + 15i) - (-3 + 3i) =$
$12i - 2$

4) $-8 + (2i) + (-8 + 6i) =$
$8i - 16$

5) $(-6i) - (6i) =$
$-12i$

6) $(-5 + 3i) - (4 - 5i) =$
$8i - 9$

7) $(5 + 3i) - (-2 - 5i) =$
$8i + 7$

8) $(-1 + i) - (-7 + 4i) - 5 =$
$-3i + 1$

9) $(-7i) - (3i) =$
$-10i$

10) $(i) + (8 - i) =$
8

11) $(-5 - 3i) - (-6 + 8i) =$
$-11i + 1$

12) $(-1 + i) - (-3 - 11i) =$
$12i + 2$

13) $(-2 - i) - (4 + i) =$
$-2i - 6$

14) $(-6 + 6i) - (-5 + i) =$
$5i - 1$

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