

Name: \_\_\_\_\_

Date \_\_\_\_\_

Topic : Addition and Subtraction of Complex Numbers - Worksheet 1

Solve the problems. Express the result in a + bi form

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

2.  $(8 + 3i) + (5 - 6i)$

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

4.  $(4 - \sqrt{-16}) + (2 - \sqrt{-25})$

5.  $(6 - \sqrt{-64}) + (12 + \sqrt{-81})$

6.  $(4 - 8i) - (2 - 5i)$

7. Find the sum  $6 - 4i$  and  $6 - 4i$  subtract  $3 - 2i$  from it.

8. Subtract  $8 - 6i$  from  $9 + 3i$

9. Add  $12 + 5i$ ,  $8 + 6i$  and  $8 - 6i$

10. Subtract  $15 - 6i$  from  $13 - 4i$



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Topic : Addition and Subtraction of Complex Numbers - Worksheet 2

Solve the problems. Express the result in a + bi form

1.  $(8 + 5i) + (4 - 3i)$

2.  $(15 + 5i) + (-10 - 9i)$

3.  $(5 - 4i) - (6 + 2i)$

4.  $(3 - \sqrt{-9}) + (5 - \sqrt{-4})$

5.  $(9 - \sqrt{-100}) + (6 + \sqrt{-36})$

6.  $(8 - 1i) - (5 - 4i)$

7. Find the sum  $12 - 5i$  and  $15 - 4i$  subtract  $5 - 3i$  from it.

8. Subtract  $14 - 9i$  from  $10 + 12i$

9. Add  $2 + 7i$ ,  $6 + 2i$  and  $16 - 11i$

10. Subtract  $10 - 5i$  from  $12 - 3i$



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Topic : Addition and Subtraction of Complex Numbers - Worksheet 3

Solve the problems. Express the result in a + bi form

1.  $(12 + 8i) - (11 - 4i)$

2.  $(18 - 9i) + (8 + 4i)$

3.  $(6 - 8i) + (-15 + 2i)$

4.  $(5 - \sqrt{-4}) + (2 - \sqrt{-9})$

5.  $(11 - \sqrt{-49}) + (5 + \sqrt{-64})$

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

7. Find the sum  $12 - 5i$  and  $15 - 4i$  subtract  $5 - 3i$  from it.

8. Subtract  $15 - 10i$  from  $5 + 5i$

9. Add  $3 + 5i$ ,  $2 + 1i$  and  $8 - 7i$

10. Subtract  $19 - 12i$  from  $20 - 14i$



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Topic : Addition and Subtraction of Complex Numbers - Worksheet 4

Solve the problems. Express the result in a + bi form

1.  $(15 + 9i) - (21 - 18i)$

2.  $(25 - 16i) + (20 + 10i)$

3.  $(14 - 17i) + (-7 + 6i)$

4.  $(11 - \sqrt{-144}) + (9 - \sqrt{-225})$

5.  $(15 - \sqrt{-121}) + (5 + \sqrt{-169})$

6.  $(16 - 5i) - (11 - 9i)$

7. Find the sum  $6 - 7i$  and  $5 - 4i$  subtract  $11 - 8i$  from it.

8. Subtract  $13 - 9i$  from  $11 + 6i$

9. Add  $15 - 18i$ ,  $23 - 22i$  and  $27 - 24i$

10. Subtract  $17 - 10i$  from  $14 - 19i$



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Topic : Addition and Subtraction of Complex Numbers - Worksheet 5

Solve the problems. Express the result in a + bi form

1.  $(4 + 7i) - (11 - 15i)$

2.  $(19 - 11i) + (17 + 15i)$

3.  $(14 - 17i) + (-7 + 6i)$

4.  $(4 - \sqrt{-196}) + (5 - \sqrt{-256})$

5.  $(12 - \sqrt{289}) + (10 + \sqrt{-324})$

6.  $(21 - 16i) - (25 - 19i)$

7. Find the sum  $8 - 7i$  and  $4 - 2i$  subtract  $11 - 8i$  from it.

8. Subtract  $14 - 6i$  from  $4 + 3i$

9. Add  $11 - 17i$ ,  $12 - 18i$  and  $13 - 19i$

10. Subtract  $13 - 9i$  from  $3 - 6i$

