

Name: _____

Date _____

Topic: Multiplying and Dividing Complex Numbers - Worksheet 1

Simplify:

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

2. $(6 - 3i)(3 - i)$

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

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

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

6. $(3 + 9i) / 3i$

7. $(6 - 5i)(4 - i)$

8. $(8 - 4i)(6 + 3i)$

9. $(3 - 5i) / i$

10. $2 / (5 - 2i)$



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Topic: Multiplying and Dividing Complex Numbers - Worksheet 2

Simplify:

1. $4(2 - 3i) + 6i$

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

3. $(5 - 3i)^2$

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

5. $9i + 9(5 - 3i)$

6. $(5 + 9i) / 5i$

7. $(7 - 6i)(5 - i)$

8. $(9 - 5i)(7 + 4i)$

9. $(4 - 6i) / i$

10. $3 / (6 - 3i)$



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Topic: Multiplying and Dividing Complex Numbers - Worksheet 3

Simplify:

1. $5(3 - 4i) + 7i$

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

3. $(6 - 4i)^2$

4. $9i + 6(5 - 1i)$

5. $2i + 2(6 - 7i)$

6. $(6 + 36i) / 6i$

7. $(8 - 3i)(6 - i)$

8. $(7 - 3i)(5 + 1i)$

9. $(4 - 2i) / i$

10. $2 / (7 - 2i)$



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Topic: Multiplying and Dividing Complex Numbers - Worksheet 4

Simplify:

1. $7(3 - 5i) + 2i$

2. $(5 - 4i)(7 - i)$

3. $(7 - 3i)^2$

4. $2i + 4(4 - 2i)$

5. $3i + 4(3 - 7i)$

6. $(2 + 4i) / 2i$

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

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

9. $(9 - 4i) / i$

10. $4 / (7 - 9i)$



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Topic: Multiplying and Dividing Complex Numbers - Worksheet 5

Simplify:

1. $2(3 - 4i) + 2i$

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

3. $(5 - 3i)^2$

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

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

6. $(4 + 4i) / 2i$

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

8. $(3 - 1i)(4 + 6i)$

9. $(3 - 3i) / i$

10. $2 / (6 - 4i)$

