

Math C

11.2 Complex Numbers part 1

Simplify.

1. $(2i)(3i)$

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

3. $3i(-3i + 5 + 16i)$

4. $-4i(2i - 7i + 11)$

5. $-i(9i + 14 - 15i)$

6. $5i(7 + 2i - 11i)$

7. $(5 + 9i)(-5 - 2i)$

8. $(4 + 11i)(-3 - i)$

9. $(3 + 13i)(-15 - 2i)$

10. $(7 + 8i)(-6 - 7i)$

11. $(5 + 3i)^2$

12. $(1 - 14i)^2$

Answer List

- | | |
|-----------------|------------------|
| 1. -6 | 2. 35 |
| 3. $-39 + 15i$ | 4. $-20 - 44i$ |
| 5. $-6 - 14i$ | 6. $45 + 35i$ |
| 7. $-7 - 55i$ | 8. $-1 - 37i$ |
| 9. $-19 - 201i$ | 10. $14 - 97i$ |
| 11. $16 + 30i$ | 12. $-195 - 28i$ |

Catalog List

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|--------------|---------------|---------------|---------------|
| 1. TRI CC 1 | 2. TRI CC 2 | 3. TRI CC 9 | 4. TRI CC 10 |
| 5. TRI CC 11 | 6. TRI CC 12 | 7. TRI CC 17 | 8. TRI CC 18 |
| 9. TRI CC 19 | 10. TRI CC 20 | 11. TRI CC 53 | 12. TRI CC 60 |