

Perform the indicated operations and then *completely* simplify.

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

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

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

10. $\frac{12 - i}{5}$

3. $(13 - 5i) - (7 - 11i)$

11. $\frac{2 - 3i}{2i}$

4. $17 - (5 - 6i)$

12. $\frac{5 + 6i}{2 - i}$

5. $4(3 - i)$

13. $\frac{3 - 2i}{1 - 7i}$

6. $3i(7 - 2i)$

14. i^3

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

15. i^{11}

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

16. i^{137}