

Complex Number Arithmetic, Part 2

Simplify:

1. $\frac{10}{\sqrt{-20}}$

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

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

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

5. $\frac{3 - 2i}{2 + 5i}$

6. $\frac{6 - 3i}{4 - 3i}$

7. $\frac{4i}{8 + 2i}$

8. $\frac{3}{10 - i}$