



Rewrite each expression using i .

1. $\frac{\sqrt{-48} - 12}{4}$

2. $38 - \sqrt{-200} + \sqrt{121}$

Simplify each expression.

3. $22i + 13 - (7i + 3 + 12i) + 16i - 25$

4. $-0.5(14i - 6) - 4i(0.75 - 3i)$

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

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

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

Rewrite each quotient.

8. $\frac{3 + 4i}{5 + 6i}$

9. $\frac{-6 + 2i}{2 - 3i}$