

12.2 – Operations with Imaginary Numbers

Add or subtract the following complex numbers.

1. $(5 + 7i) + (-2 + 6i)$

2. $(8 + 3i) - (2 + 4i)$

Multiply the following complex numbers.

1. $5i(-4i)$

2. $12i \cdot 7i$

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

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

5. $(4 - 9i)(4 - 9i)$