

5.3 Complex Operations

Simplify.

1) $(i)^3$

2) $(-6i) - (i)(-8i)$

3) $(8i) - (3i) \cdot 3$

4) $(-3i)(i)$

5) $(-2i) - (4i)$

6) $(8i) + (6i)$

7) $(-i)(-4i) + (6i)$

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

9) $(-4i)^3$

10) $-6 + (i)(2i)$

$$11) \ (6i) - (5i)$$

$$12) \ -8 + (3 + 2i)$$

$$13) \ (-i) + (2i)(-6i)$$

$$14) \ (4i) - (i)$$

$$15) \ (-6 + 8i)(-2 + 7i)$$

$$16) \ (-7i)(2 - 3i) - (6i)(7i)$$

$$17) \ 8(4i) - (3i)(5 + 6i)$$

$$18) \ (3 + 5i)(7 + 8i)$$

$$19) \ -6(-6 - 8i) + 3(2 + 5i)$$

$$20) \ (3 + 8i) - (-6 - i)$$