

5.4 Multiplying Complex Numbers

Simplify.

1) i^2

2) i^3

3) $(8i)(5i)$

4) $(-2i)(-2 - 6i)$

5) $(6i)(6i)(-i)$

6) $(8i)(-7 + 4i)$

7) $(-4i)(-6 - 2i)$

8) $(-3i)(-i)$

9) $(i)(-6 - 4i)$

10) $(6i)^3$

$$11) 7(i)(2 + 3i)$$

$$12) (2 - 7i)(-1 + 8i)$$

$$13) (6 + 7i)(4 - 6i)$$

$$14) (-5 - 3i)(1 - 2i)$$

$$15) (4 + 8i)^2$$

$$16) 8(-3i)(-8 - 2i)$$

$$17) (5 - 4i)^2$$

$$18) (-4 - 7i)(2 + 5i)$$

$$19) (2 - 6i)^2$$

$$20) (-6 - 5i)(5 - i)$$