powers of i

$i^0 =$ $i^4 =$

$i^1 =$ $i^5 =$

$i^2 =$ $i^6 =$

$i^3 =$ $i^7 =$

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product of imaginary numbers

Simplify.

1) $(-4i)(-7i) \cdot 8$

2) $(3i)^2$

3) $(4i)(5i)$

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

5) $-6(6i)$

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

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

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

9) $(-5i)(-5i)$

10) $(-3i)(2i)$

11) $(3i)(-3i)$

12) $(-7i)(3i)$

Examples of multiplying with complex numbers part 1.

1. 5(3+4i)=
2. -2(7-3i)=
3. i(6-2i)=
4. 3i(-7+2i)=
5. (2i)(i)(6-4i)=

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Simplify.

1) $-8(-i)$

2) $(4i)(2i)$

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

4) $-7(5+3i)$

5) $(-4i)(2+3i)$

6) $(6i)(-2+5i)$

7) $6(-i)(-3+4i)$

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

9) $2(8i)(-3-i)$

10) $-5(-3i)(-7-2i)$