

## HW #4 Multiplying Complex Numbers

**Simplify.**

1)  $(5i)(-7i)(8i)$

2)  $(8i)(-7i)(6i)$

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

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

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

6)  $(-5i)(-8 - i)$

7)  $(-3 + 5i)(7 + 8i)$

8)  $(1 - 6i)(7 + 4i)$

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

$$10) (-6 + 3i)(-3 + 7i)$$

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

$$12) (4 - 6i)^2$$

$$13) (-2 - 3i)(-8 + 5i)$$

$$14) (4 - 7i)^2$$

$$15) (8 - 7i)^2$$

$$16) (5 - 6i)^2$$

$$17) (5 + 6i)(-3 + 5i)$$

$$18) (-8 + 2i)^2$$