

## Unit 5.1 Operations with Complex numbers Practice

Period \_\_\_\_\_

**Simplify.**

1)  $(2 - i) - (2i)$

2)  $(-2i) + (7i)$

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

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

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

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

7)  $(6i) + (-6 - 5i) - (-6 + 7i)$

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

9)  $(8 + 4i) + (i) + (-2 + 8i)$

10)  $(4i)(2i)$

11)  $(-5i)(-5i)$

12)  $(i)^2$

13)  $(2 + i)^2$

14)  $(-3i)(2i)(-7 + 5i)$

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

$$16) (6i)(-1 - 6i)(-2 + 7i)$$

$$17) (2i)(-6 - i)(-6 + 8i)$$

$$18) (8i)(-4 + 6i)(-5 + 3i)$$

$$19) -8(2i) + 6$$

$$20) (i)(-4 - 6i)$$

$$21) (-7i) + (i)(-5i)$$

$$22) (-5 - i) + (5 + 5i)$$

$$23) (7 - 5i) - (-3 - 4i)$$

$$24) (-2i)(7i)(-3 + 2i)$$

$$25) (4i)(8 - 7i)(-7 - 2i)$$

$$26) (5i)(-8 + 5i)(-2 - 4i)$$

$$27) (-2 - 6i) + 8 - (-8 + 2i)$$

$$28) (7i)(-8i)(-5 + 6i) + (5i) + 8 - (-6 + 5i)$$