

## 4th Period - Operations with Complex Numbers

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**Simplify.**

1)  $(-8 - i) - (-6 - 2i)$

2)  $(-2 - 6i) - (-1 + 8i)$

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

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

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

6)  $(7 - 6i)(-1 - 3i)$

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

8)  $(-5 - 7i)^2$

9)  $(-2 - i)(2 - 7i)$

10)  $(-8 + 6i)(-4 + 5i)$

11)  $(-5i)(7 + 7i)(8 + 3i)$

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

13)  $(5i)(7 - i)(-6 - 4i)$

14)  $(2 + 2i)(-8 + 3i)(3 + 7i)$

15)  $(8 - 4i)(-3 - 8i)(-8 + 2i)$