Liceo Scientifico Statale M.Grigoletti, Pordenone
Modulo CLIL sui Numeri Complessi
Homework - Lesson 3

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1. Represent the following numbers in the Gauss plane.

    (a) $2 + 3i$

    (b) $-2 - 5i$

    (c) $-1 + 2i$

2. Represent the following couples of Complex numbers in the plane; find the sum of the numbers and represent this sum. Draw the corresponding parallelogram.

    (a) $1 - 2i$ and $2 + i$

    (b) $-2 - i$ and $-2 + i$

    (c) $3 + 2i$ and $3 - i$

3. Simplify the following expressions and represent the final result in the Gauss plane.

    (a) $1 + 2i - \frac{1-i}{2+3i} + (-1+i)^2$

    (b) $\left(\frac{1-2i}{2-i}\right)^2 + (2+i)^2 - i$