EXERCISE ONE Compute the following two complex numbers. You need to write the answer in the form a + bi where a, b are explicit real numbers. You cannot use $+, -, \times, /, \sin, \cos, e^{\theta}$ in the final expression.

(a)
$$i^{99} + i^{88} - (-i)^{105} + 5i;$$

(c) $\frac{(1-i)(2-i)}{3+\sqrt{2}i}.$

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