

Name:

Show all your work in order to receive maximum credit. No work, no credit.

1. Simplify each expression. Your result must be of the form  $A + Bi$ . [4 points each]

$$(1 - 9i) - (-5 + 4i)$$

$$(9 - 3i)(-1 + i)$$

$$\frac{7}{2i}$$

$$\frac{-1 + 5i}{4 - i}$$