

$(3+i)(15-i)$ $(11-2i) - (15+6i)$
46+2i
-i^2 = 1
 $(10-7i)(3-8i)$ $(7-27i) + (14+6i)$
150i
-56

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$(23+5i) - (70-9i)$ $(3-i) - (7-2i)$
 $(7+2i) + (16-5i) + (3+4i)$

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$(7+4i)(2-5i)$

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Homework Solutions:

$i^{(30)} = -1$	$i^{(19)} - i^{(16)} = i - 1$
$i^{(210)} = -1$	$3i^4 + 5i^6 = 3(1) + 5(-1) = -2$
$3i^7 = 3(-i) = -3i$	$\frac{i^{(37)}}{i^{(35)}} = i^2 = -1$
$-25i^{(25)} = -25i$	$i^{(102)} \cdot i^{(-98)} = i^4 = 1$
$i + i^3 = i + (-i) = 0$	$(i^2)^3 = i^6 = -1$

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Homework: Operations with Complex Numbers worksheet!

Exit Slip: $(x^4)^3 + 3x^{12} - x^2$

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