Welcome!

- All cell phones in class.

-Try the warm-up at boards.

Operations with Complex Numbers

*Treat i like a variable, then simplify the i.

Adding?

*Combine like-terms.

Subtracting?

*Distribute the negative to all of the terms in the (__).

*Combine like-terms.

SIMPLFY:

8.) $(4-i)+(3+2i)$	9.) $(7-5i)-(1-5i)$	10.) $5+(-3-2i)-(3+i)$
$7+i$	$7-5i-1+5i$ 6	$5-3-2i-3-1i$ $-1-3i$

Multiplying?

*Distribute & combine like-terms

Remember your rules of exponents!

11.) $3i(5-2i)$	12.) $(2+4i)(1-7i)$	13.) $(5-2i)(4-8i)$	14.) $(5+3i)(5-3i)$
$15i-6i^2$ $15i-6(-1)$ $6+15i$	$2-14i$ $4i-28i^2$ $2-10i-28(-1)$ $2-10i+28$ $30-10i$	$20-40i$ $-8i+16i^2$ $20-48i+16(-1)$ $20-48i-16$ $4-48i$	$25-15i+15i-9i^2$ $25-9(-1)$ $25+9$ 34

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