Math 10: Unit 3.2: Multiplying polynomials
A) How to do it?
-many methods, but are all quite similar to each other.
i) Distributive method:
ii) F

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-FOIL implies it only works for binomial $x$ binomial....it is just distributive for binomial multiplication. For larger polynomials, use distributive method.
iii) Vertical Method:
iv) rectangle method:
B) Watch out for questions like:

$$
(x+3)^{2}=
$$

$$
(x-3)^{2}=
$$

$$
(x+3)(x-3)=
$$

C) In general.
$(x+y)^{2}=$
$(x-y)^{2}=$
$(x-y)(x+y)=$
-do pg 128 \#1-6 first column

