

NOTES: MULTIPLYING BINOMIALS

QUESTIONS:

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Recall: A Binomial has 2 terms.

When multiplying binomials you have two options:

-F.O.I.L = FIRST . OUTSIDE . INSIDE . LAST .

-Box Method

Find the product:

$$1. (x + 5)(x - 3) =$$

Steps to F.O.I.L:

Multiply the First terms.

Multiply the Outer terms.

Multiply the Inner terms.

Multiply the Last terms.

Add the products.

Add the like terms.

F.O.I.L

Box Method

$$2. (5x - 2)(3x + 7) =$$

F.O.I.L

Box Method

$$3. (4x + 2)(3x^2 + 4x + 5)$$

$$= \underline{\hspace{10cm}}$$

$$4. (x - 8)^2 = \underline{\hspace{10cm}}$$

$$= \underline{\hspace{10cm}}$$