

# Today's Plan:

**Learning Target (standard):** I will multiply polynomials and put the product in descending order.


**Students will:** Complete practice problems over previous concepts at the boards, put up homework problems on the board and make necessary corrections to their own work, and take a quiz.

**Teacher will:** Provide practice problems over previous concepts, check homework problems for accuracy and provide students feedback, describe and provide quiz problems.

**Assessment:** Board work, homework check and quiz

**Differentiation:** Students will work at the board, go over and correct homework at their seats, actively engage in quiz problems.


NAME \_\_\_\_\_




0:03:00 #91

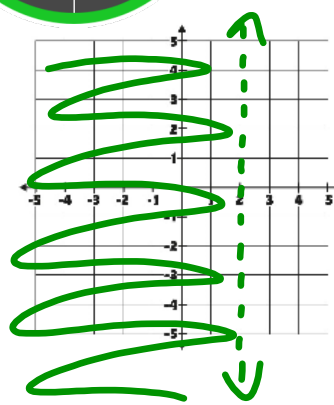
4 $x^2$  - 3 $x$  + 2 + 2 $x^2$  - 4 $x$  + 5 **BELL RINGER**

1.) Simplify  $(4x^2 - 3x + 2) - (-2x^2 + 4x - 5)$   
 $6x^2 - 7x + 7$

2.) Graph  $x < 2$ . 



3.) Simplify the expression  $5x - 3(x + 2)$ .  
 $5x - 3x - 6$   
 $2x - 6$



Simplify.

$$3)(6b^3 - 8b^4 + b - 1) - (3b + 4b^4 + 2b^3) - (8b^4 - 5b^2)$$

$$\underline{6b^3} - \underline{8b^4} + \underline{b} - 1 - \underline{3b} - \underline{4b^4} - \underline{2b^3} - \underline{8b^4} + \underline{5b^2}$$

$$-20b^4 + 4b^3 + 5b^2 - 2b - 1$$

Simplify.

$$13)(\underline{7x^2} - \underline{xy} - \underline{y^2})(-2x - 7y)$$

$$7x^2(-2x - 7y) - xy(-2x - 7y) - y^2(-2x - 7y)$$

$$\underline{-14x^3} - \underline{49x^2y} + \underline{2x^2y} + \underline{7xy^2} + \underline{2xy^2} + \underline{7y^3}$$

$$-14x^3 - 47x^2y + 9xy^2 + 7y^3$$

Simplify.

$$(-2ab^2)^4$$

$$\boxed{(-2)^4} a^4 b^8$$

$$16a^4b^8$$

Simplify.

$$(xy^2)(x^2y)(x^2y^2)$$

$$\underline{x} \underline{y^2} \cdot \underline{x^2} \underline{y} \cdot \underline{x^2} \underline{y^2}$$

$$x^5 y^5$$

Simplify.

$$(\underline{4n} - 3)(n - 7)$$

$$4n(n - 7) - 3(n - 7)$$

$$4n^2 - \underline{28n} - \underline{3n} + 21$$

$$4n^2 - 31n + 21$$

Simplify.

$$(\underline{5} - \underline{3x})(9 - 6x - 8x^2)$$

$$5(9 - 6x - 8x^2) - 3x(9 - 6x - 8x^2)$$

$$\underline{45} - \underline{30x} - \underline{40x^2} - \underline{27x} + \underline{18x^2} + 24x^3$$

$$24x^3 - 22x^2 - 57x + 45$$