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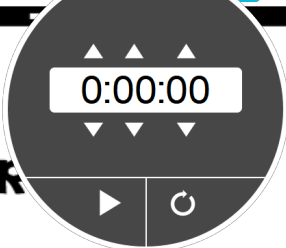
Teacher will: Provide practice problems over previous concepts, check homework problems for accuracy and provide students feedback, describe and provide quiz problems.

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.
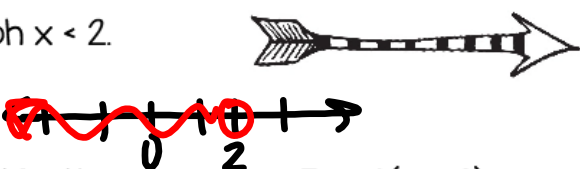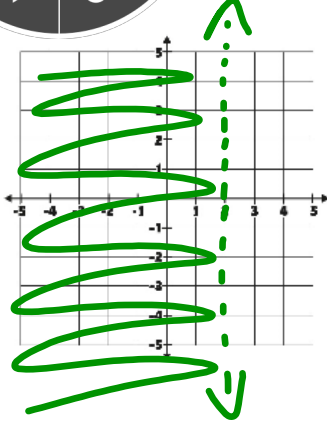

NAME _____

$$4x^2 - 3x + 2 + 2x^2 - 4x + 5$$

BELL RINGER

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1.) Simplify $\left(4x^2 - 3x + 2\right) - \left(-2x^2 + 4x - 5\right)$

$$6x^2 - 7x + 7$$

2.) Graph x < 2.

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

$$5x - 3x - 6$$
$$2x - 6$$

Simplify.

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

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

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

Simplify.

13) $\left(7x^2 - xy - y^2\right)\left(-2x - 7y\right)$

$$-14x^3 - 49x^2y + 2x^2y + 7xy^2 + 2xy^2 + 7y^3$$

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

Simplify.

$$\left(-2ab^2\right)^4$$

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

$$16\,a^4 b^8$$

Simplify.

$$\left(xy^2\right)\left(x^2 y\right)\left(x^2 y^2\right)$$

$$xy^2 \cdot x^2 y \cdot x^2 y^2$$

$$x^5 y^5$$

Simplify.

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

$$4n^2-28n-3n+21$$

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

Simplify.

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

$$45-30x-40x^2-27x+18x^2+24x^3$$

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