Today's Plan:

Learning Target (standard): I will perform operations on polynomials.

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 prepare for a quiz.

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

Assessment: Board work, homework check and homework assignment

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

p.131 #28-56 (by 4)

$$28)4x - 7$$

$$32)x-5-\frac{24}{x+5}$$

$$36)3x - 5 + \frac{14}{x+4}$$

$$40)x^2 - 5x + 6$$

$$44)x^2 + 2x + 6 + \frac{17}{x-2}$$

$$48)5x^2 - 7x - 3 + \frac{12}{x+2}$$

$$52)2x^3 - 3x^2 - 4x + 1$$

$$56)x^3 - 5x^2 + 10x - 20 + \frac{10}{x+2}$$

Simplify:

$$\frac{16x^{2}-13x^{3}+2x^{4}-9x+20}{x-5}$$

$$\frac{1}{x-5}$$

$$\frac{1}{x-7}$$

$$\frac{1}{x-7}$$

$$\frac{1}{x-7}$$

$$\frac{1}{x-7}$$

$$\frac{1}{x-7}$$

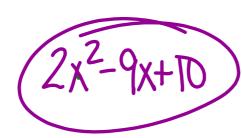
$$\frac{1}{x-7}$$

$$\frac{1}{x-7}$$

$$\frac{1}{x-7}$$

Divide:

$$\frac{8x^3 - 38x^2 + 49x - 10}{4x - 1}$$



$$4x-1$$
 $8x^{3}-38x^{2}+49x-10$ $-8x^{3}+2x^{2}$ $-36x^{2}+49x-10$

Divide:

$$\frac{x^3 - 4x^2 + 2x - 1}{x^2 + 1}$$

$$X-4 + \frac{X+3}{X^2+1}$$

vide:

$$\frac{x^3 - 4x^2 + 2x - 1}{x^2 + 1}$$
 $\chi^2 + 1$ $\chi^2 + 2x - 1$ $\chi^2 + 1$

Divide:

$$\frac{-6x^4 - 4x + 2}{4 - 2x} = \frac{-6x^4 - 4x + 2}{-2x + 4} = \frac{3x^4 + 2x - 1}{x - 2}$$

$$3x^3 + 6x^2 + 12x + 26 + \frac{81}{x-2}$$

Divide:

$$\frac{3x^{3} - 7x + 1}{3 - x} = \frac{3x^{3} - 7x + 1}{-x + 3} = \frac{-3x^{3} + 7x - 1}{x - 3}$$

$$3 \begin{bmatrix} -3 & 0 & 7 & -1 \\ v & -9 & -27 & -60 \end{bmatrix}$$

$$-3x^{2} - 9x - 20 + \frac{-61}{x - 3}$$

Simplify.

$$(2x + 2x^{2}y^{2} - 3y - 4x^{4}y^{4}) + (2x - x^{2}y^{4} + 2y - xy^{4}) - (8x - 6xy^{4})$$

$$2x + 2x^{2}y^{2} - 3y - 4x^{4}y^{4} + 2x - x^{2}y^{4} + 2y - xy^{4} - 8x + 6xy^{4}$$

$$-4x^{4}y^{4} - x^{2}y^{4} + 2x^{2}y^{2} - 4x + 5xy^{4} - y$$

Simplify.

Assignment:

Polynomial Practice #1-18

* QUIZ on Thursday *