

Today's Plan:

Learning Target (standard): I will practice operations on rational expressions and solving rational equations through test problems.

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 test.

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

Assessment: Board work, homework check and test

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

p.213 #1-10, 13-15

* TEST today! *

$$1) \frac{v(v+2)}{2v-1}$$

$$2) \frac{2(a-2)}{-1(3a+2)}$$

$$3) \frac{6(x-2)}{5}$$

$$4) \frac{x+2}{x-1}$$

$$5) \frac{x+1}{3x-4}$$

$$6) \frac{x^n-1}{x^n+2}$$

$$7) \frac{6x^2-5xy+4y^2}{2x^2y^2}$$

$$8) \frac{2(5x+2)}{(x+2)(x-2)}$$

$$9) \frac{x^2-9x+3}{(x+2)(x-3)}$$

$$10) \frac{-1(x^2+5x-2)}{(x+1)(x+4)(x-1)}$$

$$13) x = 2$$

$$14) x = 1, 2$$

$$15) x = 0 \text{ (no solution)}$$

Simplify:

$$\frac{-1(6x^2 - x - 12)}{12 + x - 6x^2} \cdot \frac{2x^2 + x - 21}{6x^2 + 29x + 28} \cdot \frac{4x^2 - 9}{4x^2 - 9}$$

$$\frac{-1(\cancel{3x+4})(\cancel{2x-3})}{(\cancel{3x+4})(\cancel{2x+7})} \cdot \frac{(\cancel{2x+7})(x-3)}{(2x+3)(\cancel{2x-3})}$$

$$\frac{-1(x-3)}{2x+3}$$