

Lección 4 semana 31

$$1) \frac{2y-14}{y^2-2y-35} \div \frac{6y-30}{y^2-25} = \frac{2(y-7)}{y^2-2y-35} \times \frac{y^2-25}{6y-30}$$

$$\frac{2(y-7)}{y \times (y+5) - 7(y+5)} \times \frac{(y-5) \times (y+5)}{2(3y-15)} \frac{y-7}{(y+5) \times (y-7)}$$

$$\frac{y-5 \times y+5}{3(y-5)} \text{ RII } \frac{1}{3}$$

$$2) \frac{9x-27}{15x+30} \div \frac{6x^2-18}{14-7x} = \frac{9x-27}{15x+30} \times \frac{14-7x}{6x^2-18}$$

$$\frac{9x-27 \times 14-7x}{(15x+30)(6x^2-18)} \frac{126x-63x^3-378+189x}{3x(5x+10) \times 3(2x^2-6)}$$

$$\frac{35x-7x^2-42}{(5x+10) \times (2x^2-6)} \text{ RII } \frac{-7x^2+35x-42}{10x^3+20x^2-30x-60}$$

$$3) \frac{25x^3y^4}{36m^2n} \div \frac{10x^2y^3}{18m^2n} = \frac{25x^3y^4}{36m^2n} \times \frac{18m^2n}{10x^2y^3} \frac{5xy}{2m^2} \times \frac{1}{2}$$

$$\text{RII } \frac{5xy}{4m^2}$$

$$4) \frac{6xy}{5y} \div \frac{3x}{10y} = \frac{6x}{5y} \times \frac{10y}{3x} = 2 \times 2 \text{ RII } 4$$

