

Lección 4 Sem 31

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

$$\frac{2(4-7)}{y^2+5y-7y-35} \div \frac{y^2-25}{6y-30}$$

$$y-7$$

$$(y+5)(y-7)$$

$$y-5 \quad \cancel{xy} + 5$$

$$3(5-5) =$$

$$R \frac{1}{3}$$

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

$$\frac{1}{3} \frac{26x-63x^2-3-8}{(5x+10) \times (2x^2-6)} = \frac{1}{3} \frac{35x-7x^2-4}{(5x+10) \times 3(2x^2-6)}$$

$$\frac{35x-7x^2-42}{(5x+10) \times 2x^2-6}$$

$$\frac{-7x^2+35-42}{10x^3-30x+20x^2-60}$$

$$R // \frac{-7x^2+35-42}{10x^3+20x^2-30x-60}$$



$$3/ \frac{25x^3y^4}{36m^4n} \div \frac{10x^2y^3}{18m^2n}$$

$$\frac{25x^3y^4}{36m^4n} \times \frac{18m^2n}{10x^2y^3}$$

$$\frac{25x^3y^4}{36m^4}$$

$$\frac{18m^2 \times 1}{10x^2y^3} \times \frac{25x^3y^4}{36m^4}$$

$$\frac{18m^2 \times 1}{10y^3}$$

$$\frac{25xy}{2m^4} \times \frac{m^2 \times 1}{10}$$

$$\frac{m^2 \times 1}{10}$$

$$\frac{25xy}{2m^2} \times \frac{1}{10}$$

$$\frac{5xy}{2m^2} \times \frac{1}{2}$$

$$\frac{5xy}{2m^2} \times \frac{1}{2}$$

$$RA \frac{5xy}{4m^2}$$

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

$$5) \frac{3m}{8n^2} \div \frac{9m}{16n^2}$$

$$\frac{3m}{8n^2} \times \frac{16n^2}{9m}$$

$$\frac{3}{8n^2} \times \frac{16n^2}{9}$$

$$3 \times \frac{2}{9} = \frac{2}{3}$$

$$\frac{m^2}{a^2} + \frac{m^2}{a^2} + \frac{m^2}{a^2}$$