

La fuerza que tienes dentro de ti
te hará alcanzar todo lo que
puedas soñar. 🌸

Actividades Cuarta Unidad / Lección # 4

Semana 31

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

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

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

$$\frac{2}{y+5} \div \frac{6y-30}{y^2-25}$$

$$\frac{2}{y+5} \div \frac{6(y-5)}{y^2-25} \quad \frac{2}{y+5} \div \frac{6(y-5)}{(y+5)(y-5)}$$

$$\frac{2}{y+5} \div \frac{6}{y+5} \quad \frac{2}{y+5} \cdot \frac{y+5}{6} = \frac{1}{3}$$

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

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

$$\frac{9(x-3)}{15x+30} \div \frac{6x^2-18}{14-7x} \quad \frac{9(x-3)}{15(x+2)} \div \frac{6x^2-18}{14-7x}$$

$$\frac{3(x-3)}{5(x+2)} \div \frac{6x^2-18}{14-7x} \quad \frac{3(x-3)}{5(x+2)} \frac{14-7x}{6x^2-18}$$

$$\frac{3(x-3)}{5(x+2)} \times \frac{7(2-x)}{6(x^2-3)} \quad \frac{x-3}{5(x+2)} \times \frac{7(2-x)}{2(x^2-3)}$$

$$\frac{(x-3) \times 7(2-x)}{5(x+2) \times 2(x^2-3)}$$

$$\frac{(x-3) \times 7(2-x)}{10(x+2)(x^2-3)} \quad \frac{(7x-7 \times 3)(2-x)}{(10x+10 \times 2)(x^2-3)}$$

$$\frac{(7x-21)(2-x)}{(10x+20)(x^2-3)}$$

$$R// \frac{7(x-3)(2-x)}{10(x+2)(x^2-3)}$$

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

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

$$\frac{25x^3y^4}{36m^4n} \times \frac{9m^2n}{5x^2y^3}$$

$$R// \frac{5xy}{4m^2}$$

$$4. \frac{6xy}{8y^2} \div \frac{3x}{10y} =$$

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

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

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