	04 – Rational Expressions – Practice Problems	
		Answers
1	Simplify: $\frac{x^2-25}{x^2-2x-35}$	$\dfrac{x-5}{x-7}$
2	Multiply: $\frac{x^2-5x+6}{5x^4} \cdot \frac{10x^3}{x^2-9}$	$\dfrac{2(x-2)}{x(x+3)}$
3	Multiply: $\frac{6x}{4-x^2} \cdot \frac{x^2-7x+10}{3x-15}$	$-\dfrac{2x}{2+x}$
4	Add: $\frac{5}{2x-3} + \frac{4}{3-2x}$	$\dfrac{1}{2x-3}$
5	Subtract: $\frac{2x}{5x-2} - \frac{3x+2}{2-5x}$	$\dfrac{5x+2}{5x-2}$
6	Add: $\frac{3}{x^2-2x} + \frac{x}{x^2-7x+10}$	$\dfrac{x^2+3x-15}{x(x-2)(x-5)}$
7	Subtract: $\frac{x}{x^2-9} - \frac{5}{x^2-3x}$	$\dfrac{x^2-5x-15}{x(x+3)(x-3)}$
8	Simplify: $\dfrac{3-\frac{2}{5x^2}}{\frac{2}{10x}-7}$	$\dfrac{30x^2-4}{2x-70x^2}$
9	Simplify: $\dfrac{\frac{5}{12x^2}-\frac{3}{4x}}{\frac{3}{2x^2}+2}$	$\dfrac{5-9x}{18+24x^2}$