More Multiplying and Dividing Algebraic Fractions

Simplify fully:

(a) $\frac{3}{x+2} \times \frac{2(x+2)}{9}$

(b) $\frac{y-1}{5} \times \frac{3}{4(y-1)}$

(c) $\frac{6(2-x)}{5} \times \frac{y}{2-x}$

(d) $\frac{x+7}{4y} \div \frac{2(x+7)}{3}$

(e) $\frac{3}{x+5} \div \frac{10}{x(x+5)}$

(f) $\frac{2x}{x+1} \div \frac{7}{5(x+1)}$

Simplify fully:

(a) $\frac{3x+6}{2x} \times \frac{4}{x+2}$

(b) $\frac{y}{y-1} \times \frac{2y-2}{5}$

(c) $\frac{4y+4}{7} \times \frac{2x}{y+1}$

(d) $\frac{5+x}{3} \div \frac{10+2x}{7y}$

(e) $\frac{1-y}{2x} \div \frac{5-5y}{3}$

(f) $\frac{5y}{4y-12} \div \frac{2}{y-3}$

Simplify fully:

(a) $\frac{8+8y}{3y} \times \frac{7}{y(1+y)}$

(b) $\frac{6y}{x^2+x} \times \frac{x+1}{3}$

(c) $\frac{y^2-2y}{11x} \times \frac{4x}{y-2}$

(d) $\frac{x-1}{5x} \div \frac{x^2-x}{2y}$

(e) $\frac{3y}{x^2-8x} \div \frac{5x}{2x-16}$

(f) $\frac{3y-6}{7x} \div \frac{y^2-2y}{x^2}$

Simplify fully:

(a) $\frac{2x^2}{x^2+4x} \times \frac{3(x+4)}{5x} \div \frac{x+1}{10}$

(b) $\frac{x^2}{4y} \times \frac{y^2-2y}{6y} \div \frac{3y-6}{2y^2}$

(c) $\frac{5x+15}{6x^3} \div \frac{4}{3x^2} \times \frac{2x^2}{x^2+5x}$

(d) $\frac{3x-x^2}{5x+10} \div \frac{6-2x}{x^5} \times \frac{6x+12}{4x}$

More Multiplying and Dividing Algebraic Fractions

Simplify fully:

(a) $\frac{3}{x+2} \times \frac{2(x+2)}{9}$

(b) $\frac{y-1}{5} \times \frac{3}{4(y-1)}$

(c) $\frac{6(2-x)}{5} \times \frac{y}{2-x}$

(d) $\frac{x+7}{4y} \div \frac{2(x+7)}{3}$

(e) $\frac{3}{x+5} \div \frac{10}{x(x+5)}$

(f) $\frac{2x}{x+1} \div \frac{7}{5(x+1)}$

Simplify fully:

(a) $\frac{3x+6}{2x} \times \frac{4}{x+2}$

(b) $\frac{y}{y-1} \times \frac{2y-2}{5}$

(c) $\frac{4y+4}{7} \times \frac{2x}{y+1}$

(d) $\frac{5+x}{3} \div \frac{10+2x}{7y}$

(e) $\frac{1-y}{2x} \div \frac{5-5y}{3}$

(f) $\frac{5y}{4y-12} \div \frac{2}{y-3}$

Simplify fully:

(a) $\frac{8+8y}{3y} \times \frac{7}{y(1+y)}$

(b) $\frac{6y}{x^2+x} \times \frac{x+1}{3}$

(c) $\frac{y^2-2y}{11x} \times \frac{4x}{y-2}$

(d) $\frac{x-1}{5x} \div \frac{x^2-x}{2y}$

(e) $\frac{3y}{x^2-8x} \div \frac{5x}{2x-16}$

(f) $\frac{3y-6}{7x} \div \frac{y^2-2y}{x^2}$

Simplify fully:

(a) $\frac{2x^2}{x^2+4x} \times \frac{3(x+4)}{5x} \div \frac{x+1}{10}$

(b) $\frac{x^2}{4y} \times \frac{y^2-2y}{6y} \div \frac{3y-6}{2y^2}$

(c) $\frac{5x+15}{6x^3} \div \frac{4}{3x^2} \times \frac{2x^2}{x^2+5x}$

(d) $\frac{3x-x^2}{5x+10} \div \frac{6-2x}{x^5} \times \frac{6x+12}{4x}$