**More Multiplying and Dividing Algebraic Fractions**

Simplify fully:

(a) $\frac{3}{x+2}×\frac{2(x+2)}{9}$ (b) $\frac{y-1}{5}×\frac{3}{4(y-1)}$

(c) $\frac{6(2-x)}{5}×\frac{y}{2-x}$ (d) $\frac{x+7}{4y}÷\frac{2\left(x+7\right)}{3}$

(e) $\frac{3}{x+5}÷\frac{10}{x(x+5)}$ (f) $\frac{2x}{x+1}÷\frac{7}{5(x+1)}$

Simplify fully:

(a) $\frac{3x+6}{2x}×\frac{4}{x+2}$ (b) $\frac{y}{y-1}×\frac{2y-2}{5}$

(c) $\frac{4y+4}{7}×\frac{2x}{y+1}$ (d) $\frac{5+x}{3}÷\frac{10+2x}{7y}$

(e) $\frac{1-y}{2x}÷\frac{5-5y}{3}$ (f) $\frac{5y}{4y-12}÷\frac{2}{y-3}$

Simplify fully:

(a) $\frac{8+8y}{3y}×\frac{7}{y(1+y)}$ (b) $\frac{6y}{x^{2}+x}×\frac{x+1}{3}$

(c) $\frac{y^{2}-2y}{11x}×\frac{4x}{y-2}$ (d) $\frac{x-1}{5x}÷\frac{x^{2}-x}{2y}$

(e) $\frac{3y}{x^{2}-8x}÷\frac{5x}{2x-16}$ (f) $\frac{3y-6}{7x}÷\frac{y^{2}-2y}{x^{2}}$

Simplify fully:

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

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

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

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

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