

$$3) \frac{2x-12}{3x-6} \cdot \frac{x^2-4}{x^2-36} \cdot \frac{3x+18}{4x+8}$$

$$\frac{2(\cancel{x-6})}{3(\cancel{x-2})} \cdot \frac{(\cancel{x-2})(\cancel{x+2})}{(\cancel{x-6})(x+6)} \cdot \frac{3(\cancel{x+6})}{4(\cancel{x+2})}$$

$$\frac{2}{3} \cdot \frac{3}{4} = \frac{6}{12} = \frac{1}{2}$$

$$4) \frac{6}{x-1} \cdot \frac{5-5x}{10}$$

$$\frac{\cancel{6} - 5(x-1)}{\cancel{x-1} \cdot 10} = \frac{-30}{10} = -3$$

$$5) \frac{x^2+10x+21}{x^2-9} \cdot \frac{1}{x+7}$$

$$\frac{(x+3)(x+7)}{x+7(x-3)} \cdot \frac{1}{\cancel{x+7}} = \frac{1}{x-3}$$

$$6) \frac{x^2-81}{(x-9)^2} \cdot \frac{4x-36}{5x+45}$$

$$7) \frac{x^2-9}{x^2-5x} \cdot \frac{5x-x^2}{x^2-x-12} \cdot \frac{x^2-8x+16}{x-4}$$

$$8) \frac{2x^2-x-6}{2x^2+3x-2} \cdot \frac{x^2-x-6}{x^2-9} \cdot \frac{4x^2-4x+1}{2x^2-5x+2}$$

$$9) \frac{2x^2-2}{2x^2-3x+1} \cdot \frac{x^2+x-6}{x^2+7x+12} \cdot \frac{4x^2-1}{2x^2-3x-2}$$

$$10) \frac{x^2-8xy+15y^2}{x^2-9y^2} \cdot \frac{2x+6y}{2x-20y}$$

Exit Ticket

$$\frac{x^2+3x}{x^2-3x-4} \cdot \frac{x^2-5x+4}{x^2+2x-3}$$