Fill in the Blanks — Dividing Algebraic Fractions

Question	Write as a Multiplication	Simplify Numerator and Denominator	Simplified Answer (where possible)
$\frac{x}{4} \div \frac{x}{2y}$	$\frac{x}{4} \times \frac{2y}{x}$	$\frac{2xy}{4x}$	$\frac{y}{2}$
$\frac{3x}{y} \div \frac{1}{xy}$	$\frac{3x}{y} \times \frac{xy}{1}$	$\frac{3x^2y}{y}$	
$\frac{2y}{3} \div \frac{4}{y}$	$\frac{2y}{3} \times \frac{y}{4}$		
$\frac{xy}{5} \div \frac{3y}{10}$			
$\frac{4y}{3x} \div \frac{xy}{6}$			
$\frac{x^2}{8} \div \frac{3x}{4y}$			
$\frac{6xy}{5} \div \frac{x}{y}$			
$\frac{5x}{3} \div \frac{10}{xy}$			
$\frac{2x}{y} \div \frac{4xy}{9}$			
$\frac{4}{5xy} \div \frac{2y^2}{x^2}$			
$\frac{\square}{y} \div \frac{\square}{3y^2}$	$\frac{\square}{y} \times \frac{3y^2}{\square}$	$\frac{6xy^2}{8y}$	
$\frac{5x}{2y} \div \frac{\square}{\square}$			$10y$