Name _____

Reciprocal and Inverse of exponents

Simplify the expression and answer in term of positive.
(Reciprocal Rule in Algebraic Expressions).

1) $5a^{-2}b^{3}$ $\frac{5b^{3}}{a^{2}}$	2) $x^{-3}y^{4} \cdot 2x^{2}y^{-1}$ $\frac{2x^{2}y^{3}}{x^{3}}$	3) $4m^{-1}n^{2}$ $\frac{4n^{2}}{m}$
4) $a^{2} \div 3b^{-1}$ $\frac{1}{3a^{2}b}$	5) $7a^{-3}b^{2}$ $\frac{7b^{2}}{a^{3}}$	6) $3c^{-2}d \cdot 2cd^{-1}$ $\frac{6}{c}$
7) $m^{-2}n^{3} \div 4m^{2}n^{-1}$ $\frac{1}{4m^{4}n^{-4}}$	8) $2p^{-3}q^{2} \cdot 5pq^{-1}$ $\frac{10q}{p^{2}}$	9) $3x^{-2}y$ $\frac{3y}{x^{2}}$
10) $3cd^{-2} \cdot 2c^{-1}d$ $\frac{6d}{e}$	11) $2a^{-2}b^{3}$ $\frac{2b^{3}}{a^{2}}$	12) $x^{-1}y^{2} \div 2xy^{-1}$ $\frac{y^{3}}{2x^{2}}$