

Name \_\_\_\_\_

# Operation With Exponents

Simplify the following exponents.

1) $\frac{a}{a^4}$ $\frac{1}{a^3}$	2) $\frac{12^8}{12^3}$ $12^5$	3) $\frac{9a^5b^4}{4ab^2}$ $\frac{9a^4b^2}{4}$
4) $\frac{7s}{8s^2}$ $\frac{7}{8s}$	5) $\frac{9r^6h^3}{6r^5h^4}$ $\frac{3r}{2h}$	6) $\frac{2d^5}{5d^2y^6}$ $\frac{2d^3}{5y^6}$
7) $\frac{9d^2}{2d^3}$ $\frac{9}{2d}$	8) $\frac{8^2}{8^7}$ $\frac{1}{8^5}$	9) $\frac{h^2}{h^4}$ $\frac{1}{h^2}$
10) $\frac{6hs^4}{3h^3s^6}$ $\frac{2}{h^2s^2}$	11) $\frac{hr}{7h^5r^3}$ $\frac{1}{7h^4r^2}$	12) $\frac{5n^5}{8n}$ $\frac{5n^4}{8}$