

1. Simplify the following, making sure all exponents are positive numbers.

(a)	$x^6 x^4$	(j)	$\frac{a^4 b^7}{a^4 b^{-2}}$
(b)	$x^8 x^{-2}$	(k)	$(6x^2 y^3)(2x^2 y)$
(c)	$(x^4 y^5)(x^3 y^{-2})$	(l)	$(5a b^3)(-3a^2 b^2)$
(d)	$(m^3 n^2)^2$	(m)	$(4m^2 n^{-2})(2m n^2)^2$
(e)	$(r^4 s^{-3})^3$	(n)	$\frac{(4x^3 y^2 z)(x y^{-2} z^2)}{2x y z}$
(f)	$(3x^2 y^{-3})^2$	(o)	$\left(\frac{6ab^3}{2ab}\right)^3$
(g)	$\frac{a^5}{a^3}$	(p)	$\left(\frac{4x^{-3}y^4}{8x^2y^{-2}}\right)^{-2}$
(h)	$\frac{a^4}{a^{-3}}$		
(i)	$\frac{a^4 b^7}{a^3 b^6}$		

2. Rearrange the following so that all exponents are positive numbers.

(a)	x^{-2}	(e)	$a^{-2} b$
(b)	$\left(\frac{x}{y}\right)^{-2}$	(f)	$(a^2 b)^{-2}$
(c)	$\frac{r^{-2}}{s^2}$	(g)	$\frac{v^{-2}}{v^1}$
(d)	$\frac{r^2}{s^{-2}}$	(h)	$\frac{p^2 q^{-1}}{y^{-2}}$