Algebraic Laws of Indices			
(a)	(b)	(c)	(d)
Simplify $a^4 \times a^3 \times a^{-2}$	Simplify $\frac{b^7 \times b^{-1}}{b^3}$	Simplify $(c^5)^{-2}$	Simplify $d^7 \times \left(d^{1/2}\right)^8$
(e)	(f)	(g)	(h)
$\frac{e^9}{e^n} = e^{11}$ Find the value of n	$\left(f^{rac{1}{2}} ight)^n = f^7$ Find the value of n	$g^5 imes g^n = g^{15}$ Find the value of n	$\frac{h^7 \times h^n}{h^{-1}} = h^{11}$ Find the value of n
(i)	(j)	(k)	(I)
Simplify $(5a^4)^2$	Simplify $(3a^6b^5)^3$	Simplify $\left(2p^{1/2}q^6\right)^4$	Simplify $(x^{12}y^3)^{1/3}$
(m)	(n)	(0)	(p)
Write $\frac{y^{10} \times y^{-2}}{(y^2)^3}$ as a single power of y	Write $\left(\frac{m^5}{m^{-7}}\right)^{1/2}$ as a single power of m	Simplify fully $\left(\frac{2}{3}x^{-4}y^{1/3}\right)^{3}$	$(p^{-2})^4 = p \times (p^3)^n$ Find the value of n