

## CollisonDeih Maths

## Indices- Power law

dd/mm/yyyy

**1.**Write  $(4^5)^2$  as a power of 4.**2.**Write  $(4^3)^1$  as a power of 4.**3.**Write  $(3^6)^5$  as a power of 3.**4.**Write  $(5^4)^6$  as a power of 5.**5.**Write  $(5^{-1})^2$  as a power of 5.**6.**Write  $(4^{-2})^8$  as a power of 4.**7.**Write  $(5^{-7})^1$  as a power of 5.**8.**Write  $(5^{-6})^3$  as a power of 5.**9.**Write  $(64^1)^2$  as a power of 4.**10.**Write  $(5^{-7})^8$  as a power of 5.**11.**Write  $(2^{-2})^5$  as a power of 2.**12.**Write  $(4^{-5})^2$  as a power of 4.

**Answer Key**

1. $4^{10}$	2. $4^3$	3. $3^{30}$	4. $5^{24}$
5. $5^{-2}$	6. $4^{-16}$	7. $5^{-7}$	8. $5^{-18}$
9. $4^6$	10. $5^{-56}$	11. $2^{-10}$	12. $4^{-10}$