

1. Write each expression in the form a^b :

a) $(2^3)^x$

b) $(2y)^x$

c) $(5^{3z})^x$

d) $(6^{2y})^{3x}$

e) $(5^{-3z})^x$

f) $(6^{-2y})^{-3w}$

g) $(7^5)^x$

h) $(6^y)^r$

i) $(51^{30z})^x$

j) $(62^{22y})^{3x}$

k) $(15.1^{-3z})^{-4x}$

l) $(6.66^{-6y})^{-1.11w}$

2. Write each expression in the form a^b :

a) $(2^{3x^2})^x$

b) $(2^{xy})^x$

c) $(5^{3xz})^x$

d) $(6^{2xy})^{3xy}$

e) $(5^{-3x^2z})^x$

f) $(6^{-2wy})^{-3wy^2}$

g) $(7^{5r^6})^{qrx}$

h) $(6^{fy})^{fr}$

i) $(51^{30xyz})^x$

j) $(62^{22xy^2})^{3x}$

k) $(15.1^{-3z^5})^{-4x}$

l) $(6.66^{-6y^2z^3})^{-1.11w^2y^3}$