

Exponential Equation Live Worksheet.
(Write-down the value of x in the box.) FM:15

(a) $2^x = 32$ $x =$

(b) $3^x = 27$ $x =$

(c) $3^{-x} = 243$ $x =$

(d) $3^x = 81$ $x =$

(e) $2^x = 8$ $x =$

(f) $4^x = 16$ $x =$

(g) $4^{2x} = 4^x$ $x =$

(a) $x^{-2} = \frac{1}{25}$ $x =$

(b) $\frac{1}{6^{-x}} = 1$ $x =$

(c) $\frac{1}{2^{-3x}} = 8$ $x =$

(d) $\frac{1}{3^{-x}} = 27$ $x =$

(e) $4^x = \frac{1}{16}$ $x =$

(f) $\frac{1}{16} = \frac{1}{4^x}$ $x =$

(g) $\frac{1}{3^x} = \frac{1}{81}$ $x =$

(h) $\left(\frac{4}{5}\right)^x = \left(\frac{125}{64}\right)$ $x =$

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