

Solving Equations With Indices

Increasingly
Difficult
Exercises

a) $x^2 = 16$

b) $x^3 = -8$

c) $x^5 = 32$

d) $x^{\frac{1}{2}} = 4$

e) $x^{\frac{1}{3}} = 2$

f) $x^{\frac{2}{3}} = 9$

g) $x^{\frac{4}{5}} = 16$

h) $x^{-2} = \frac{1}{4}$

i) $x^{-\frac{1}{5}} = 2$

j) $x^{\frac{1}{3}} = \frac{27}{125}$

k) $x^{-\frac{4}{5}} = \frac{243}{1024}$

l) $x^{2.5} = 32$

Solving Equations With Indices

Increasingly
Difficult
Exercises

a) $x^2 = 16$

b) $x^3 = -8$

c) $x^5 = 32$

d) $x^{\frac{1}{2}} = 4$

e) $x^{\frac{1}{3}} = 2$

f) $x^{\frac{2}{3}} = 9$

g) $x^{\frac{4}{5}} = 16$

h) $x^{-2} = \frac{1}{4}$

i) $x^{-\frac{1}{5}} = 2$

j) $x^{\frac{1}{3}} = \frac{27}{125}$

k) $x^{-\frac{4}{5}} = \frac{243}{1024}$

l) $x^{2.5} = 32$