

# Potensregning 3

Elevark



## Opgave 1

Et kvadrat har følgende areal, find sidelængden:

a)  $16 \text{ cm}^2 = \underline{\hspace{2cm}}$

c)  $81 \text{ cm}^2 = \underline{\hspace{2cm}}$

b)  $100 \text{ cm}^2 = \underline{\hspace{2cm}}$

d)  $144 \text{ cm}^2 = \underline{\hspace{2cm}}$

## Opgave 2

En kube har følgende rumfang, find sidelængden:

a)  $8 \text{ cm}^3 = \underline{\hspace{2cm}}$

c)  $125 \text{ cm}^3 = \underline{\hspace{2cm}}$

b)  $64 \text{ cm}^3 = \underline{\hspace{2cm}}$

d)  $1000 \text{ cm}^3 = \underline{\hspace{2cm}}$

## Opgave 3

Beregn følgende potenstal:

a)  $2^6 : 2^4 = \underline{\hspace{2cm}}$

d)  $6^8 : 6^6 = \underline{\hspace{2cm}}$

b)  $5^5 : 5^2 = \underline{\hspace{2cm}}$

e)  $4^9 : 4^6 = \underline{\hspace{2cm}}$

c)  $3^7 : 3^4 = \underline{\hspace{2cm}}$

f)  $2^8 : 2^2 = \underline{\hspace{2cm}}$

## Opgave 4

Blandede opgaver:

a)  $6^2 = \underline{\hspace{2cm}}$

c)  $3^2 \cdot 3^3 = \underline{\hspace{2cm}}$

e)  $5^5 : 5^3 = \underline{\hspace{2cm}}$

b)  $6^2 + 4^3 = \underline{\hspace{2cm}}$

d)  $2^4 \cdot 4^2 = \underline{\hspace{2cm}}$

f)  $x \cdot 3 = 64 ; x = \underline{\hspace{2cm}}$

## Opgave 5

Skriv følgende tal som potenstal:

a)  $1.000 = \underline{\hspace{2cm}}$

c)  $0,001 = \underline{\hspace{2cm}}$

b)  $10.000.000.000 = \underline{\hspace{2cm}}$

d)  $0,00001 = \underline{\hspace{2cm}}$