



Logarithms - Solve Exponent Equation (To Decimals)

1

Use a logarithm to solve for the missing exponent

$$6^x = 69$$

A

$x = 4.36$

B

$x = 0.36$

C

$x = 1.36$

D

$x = 2.36$

E

$x = 3.36$

2

Use a logarithm to solve for the missing exponent

$$4^x = 178$$

A

$x = 4.74$

B

$x = 3.74$

C

$x = 5.74$

D

$x = 1.74$

E

$x = 2.74$

3

Use a logarithm to solve for the missing exponent

$$6^x = 113$$

A

$x = 2.64$

B

$x = 1.64$

C

$x = 4.64$

D

$x = 3.64$

E

$x = 0.64$

4

Use a logarithm to solve for the missing exponent

$$10^x = 24$$

A

$x = 3.38$

B

$x = 1.38$

C

$x = -0.62$

D

$x = 0.38$

E

$x = 2.38$

5

Use a logarithm to solve for the missing exponent

$$9^x = 119$$

A

$x = 3.18$

B

$x = 1.18$

C

$x = 0.18$

D

$x = 2.18$

E

$x = 4.18$

6

Use a logarithm to solve for the missing exponent

$$8^x = 196$$

A

$x = 4.54$

B

$x = 3.54$

C

$x = 1.54$

D

$x = 2.54$

E

$x = 0.54$

7

Use a logarithm to solve for the missing exponent

$$7^x = 151$$

A

$x = 2.58$

B

$x = 4.58$

C

$x = 3.58$

D

$x = 1.58$

E

$x = 0.58$

8

Use a logarithm to solve for the missing exponent

$$10^x = 355$$

A

$x = 2.55$

B

$x = 3.55$

C

$x = 1.55$

D

$x = 0.55$

E

$x = 4.55$