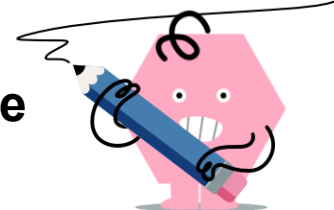




Exponents - Power Law - Algebra (Base of X is Power)

**1**

Solve for x

$$121^x = 11^2$$

A	B	C	D	E	F
$x = 2$	$x = 3$	$x = 9$	$x = 1$	$x = 8$	$x = 10$

2

Solve for x

$$16^x = 2^8$$

A	B	C	D	E	F
$x = 2$	$x = 11$	$x = 4$	$x = 7$	$x = 6$	$x = 9$

3

Solve for x

$$121^x = 11^{14}$$

A	B	C	D	E	F
$x = 15$	$x = 4$	$x = 1$	$x = 7$	$x = 2$	$x = 3$

4

Solve for x

$$121^x = 11^6$$

A	B	C	D	E	F
$x = 5$	$x = 3$	$x = 12$	$x = 9$	$x = 7$	$x = 6$

5

Solve for x

$$27^x = 3^{27}$$

A	B	C	D	E	F
$x = 5$	$x = 2$	$x = 10$	$x = 1$	$x = 9$	$x = 7$

6

Solve for x

$$49^x = 7^{28}$$

A	B	C	D	E	F
$x = 14$	$x = 11$	$x = 8$	$x = 20$	$x = 17$	$x = 22$

7

Solve for x

$$49^x = 7^{10}$$

A	B	C	D	E	F
$x = 12$	$x = 6$	$x = 13$	$x = 11$	$x = 1$	$x = 5$

8

Solve for x

$$121^x = 11^{20}$$

A	B	C	D	E	F
$x = 17$	$x = 18$	$x = 13$	$x = 10$	$x = 11$	$x = 6$