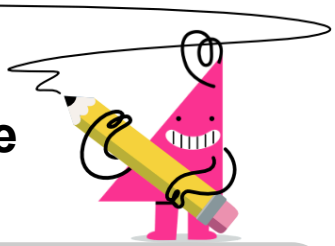
Name

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



1 Solve for x

$$121^{\sqrt{x}} = 11^{12}$$

A	B	C	D	E	F
$x = 196$	$x = 64$	$x = 169$	$x = 144$	$x = 21$	$x = 36$

2 Solve for x

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

A	B	C	D	E	F
$x = 144$	$x = 100$	$x = 121$	$x = 16$	$x = 49$	$x = 81$

3 Solve for x

$$121^{\sqrt{x}} = 11^{4}$$

A	B	C	D	E	F
$x = 144$	$x = 16$	$x = 12$	$x = 4$	$x = 49$	$x = 100$

4 Solve for x

$$121^{\sqrt{x}} = 11^{22}$$

A	B	C	D	E	F
$x = 49$	$x = 25$	$x = 121$	$x = 100$	$x = 217$	$x = 196$

5 Solve for x

$$49^{\sqrt{x}} = 7^{18}$$

A	B	C	D	E	F
$x = 25$	$x = 129$	$x = 64$	$x = 81$	$x = 4$	$x = 113$

6 Solve for x

$$8^{\sqrt{x}} = 2^{3}$$

A	B	C	D	E	F
$x = 196$	$x = 121$	$x = 25$	$x = 144$	$x = 1$	$x = 2$

7 Solve for x

$$4^{\sqrt{x}} = 2^{2}$$

A	B	C	D	E	F
$x = 25$	$x = 2$	$x = 1$	$x = 81$	$x = 36$	$x = 9$

8 Solve for x

$$49^{\sqrt{x}} = 7^{20}$$

A	B	C	D	E	F
$x = 144$	$x = 121$	$x = 100$	$x = 49$	$x = 10$	$x = 36$