Parent functions reference

Function	Formula	Domain	Range
Linear	$y = x$	All reals	All reals
Quadratic	$y = x^2$	All reals	$y \geq 0$
Cubic	$y = x^3$	All reals	All reals
Square root	$y = \sqrt{x}$	$x \geq 0$	$y \geq 0$
Absolute value	$y = \lvert x \rvert$	All reals	$y \geq 0$
Reciprocal	$y = 1/x$	$x \neq 0$	$y \neq 0$
Exponential	$y = e^x$	All reals	$y > 0$
Logarithm	$y = \ln x$	$x > 0$	All reals
Sine	$y = \sin x$	All reals	$-1 \leq y \leq 1$

Notes

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