Functions	*Y* (vertical axis)	*X* (horizontal axis)	*m* (gradient)	*c* (*Y*-intercept)
No Variable/Unknown Appearing in Index/Power (Algebraic Manipulation Required)				
$y = ax^n + b$	y	x^n	a	b
$y = \frac{a}{x^n} + b$	y	$\frac{1}{x^n}$	a	b
$\frac{1}{y} = ax^n + b$	$\frac{1}{y}$	x^n	a	b
$y = a\sqrt{x} + \frac{b}{\sqrt{x}} \Leftrightarrow y\sqrt{x} = ax + b$	$y\sqrt{x}$	x	a	b
$xy = \frac{a}{x} + bx \Leftrightarrow x^2y = bx^2 + a$	x^2y	x^2	b	a
$x = bxy + ay \Leftrightarrow \frac{x}{y} = bx + a$	$\frac{x}{y}$	x	b	a
$\frac{a}{x} + \frac{b}{y} = n \Leftrightarrow \frac{1}{y} = \left(-\frac{a}{b}\right)\frac{1}{x} + \frac{n}{b}$	$\frac{1}{y}$	$\frac{1}{x}$	$-\frac{a}{b}$	$\frac{n}{b}$
$y = ax^2 + bx + n \Leftrightarrow \frac{y-n}{x} = ax + b$	$\frac{y-n}{x}$	x	a	b
$y = \frac{a}{x-b} \Leftrightarrow \frac{1}{y} = \frac{1}{a}x - \frac{b}{a}$	$\frac{1}{y}$	x	$\frac{1}{a}$	$-\frac{b}{a}$
Variables/Unknowns Appearing in Index/Power (Logarithmic Manipulation Required)				
$y = ax^b \Leftrightarrow \lg y = b \lg x + \lg a$	$\lg y$	$\lg x$	b	$\lg a$
$y = ab^x \Leftrightarrow \lg y = x \lg b + \lg a$	$\lg y$	x	$\lg b$	$\lg a$
$y = n - ax^b \Leftrightarrow \lg (n - y) = b \lg x + \lg a$	$\lg (n - y)$	$\lg x$	b	$\lg a$