$y = (x-1)^2$	$y = -1 + \frac{1}{x^2}$ for $x \neq 0$
$y = x(1-x)$	$y = \lvert x \rvert$
$y = 1 + \frac{1}{x}$ for $x \neq 0$	$y = x(x+7)$
$y = (x-1)^2(x+3)$	$y = \frac{3}{x^2}$ for $x \neq 0$
$y = \frac{x-1}{x}$ for $x \neq 0$	$y = x + \frac{1}{x}$ for $x \neq 0$
$y = 1 + \frac{1}{x}$ for $x \neq 0$	$y = x^2 + 3$
$y = x^3$	$y = x$
$y = \frac{x}{(x-1)^2}$ for $x \neq 1$	$y = \frac{1}{x^3}$ for $x \neq 0$

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https://undergroundmathematics.org/thinking-about-functions/two-way-functions