

Differentiation dominoes



Cut out the dominoes along the bold lines and match them end-to-end so that equivalent expressions are adjacent. The dominoes will form a closed loop.

$\frac{dy}{dx} = 26x^{12}$	$y = x^2$	$\frac{dy}{dx} = 12$	$y = 4 - 3x^4$
$\frac{dy}{dx} = 55x^{10}$	$y = 7x^9 - 4$	$\frac{dy}{dx} = 0$	$y = 4x$
$\frac{dy}{dx} = 2x$	$y = 4x^3$	$\frac{dy}{dx} = -12x^3$	$y = x$
$\frac{dy}{dx} = 12x^2$	$y = 2x + 3$	$\frac{dy}{dx} = 2$	$y = x^4$
$\frac{dy}{dx} = -30x$	$y = x(x+1)$	$\frac{dy}{dx} = 2x+1$	$y = 5x^{11}$
$\frac{dy}{dx} = 63x^8$	$y = 2x^2(1-4x)$	$\frac{dy}{dx} = 4$	$y = 2x^6$
$\frac{dy}{dx} = 1$	$y = 2x - 4x^2$	$\frac{dy}{dx} = 2 - 8x$	$y = -15x^2$
$\frac{dy}{dx} = 9 - 2x$	$y = 2x^{13}$	$\frac{dy}{dx} = 4x + 3$	$y = 24$
$\frac{dy}{dx} = 4x - 24x^2$	$y = 9x + 6 - x^2$	$\frac{dy}{dx} = 4x^3$	$y = 2x^2 + 3x$
$\frac{dy}{dx} = 12x^5$	$y = 2x^3 - x$	$\frac{dy}{dx} = 6x^2 - 1$	$y = 12x - 9$