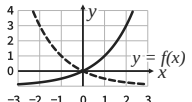
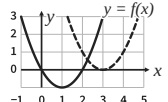
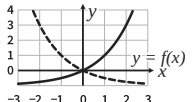
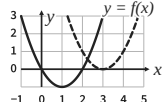


a Find the maximum point of $y = \sin x + 2$ from 0° to 360° $(90^\circ, 3)$ a trig graph translated up	b Find the maximum point of $y = \sin(x - 30^\circ)$ from 0° to 360° $(120^\circ, 1)$ a trig graph translated right	c $y = x^2 + 1$ is reflected in the x axis. Find the new equation. $y = -x^2 - 1$ reflecting every term in the x axis	d $y = x^2 - 4x$ is reflected in the y axis. Find the new equation. $y = x^2 + 4x$ $f(-x)$: replace every x
e $y = x^2$ is translated 3 right and 2 down. Find the new equation. $y = (x - 3)^2 - 2$ an equation after two translations	f Describe how $y = (x + 1)^2 - 3$ moves the graph of $y = x^2$ $\text{left } 1, \text{ down } 3$ a translation read from an equation	g $y = f(x)$ has roots -1 and 3 . Find the roots of $y = f(x - 2)$ $1, 5$ roots under a translation	h $y = f(x)$ has roots -1 and 3 . Find the roots of $y = f(-x)$ $-3, 1$ roots under a reflection
i Write the dashed curve with f  $y = f(-x)$ naming a reflection from its graph	j Write the dashed curve with f  $y = f(x - 2) + 1$ naming two translations from a graph	k $y = \cos x + k$ passes through $(0, 5)$. Find k . $k = 4$ working back to a translation	l $(3, 2)$ is on $y = f(x)$. It moves to $(1, -2)$ on $y = -f(x + a)$. Find a . $a = 2$ working back with two moves

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