



Function Transformations (Definition) - Double Definition (Variables) to Transformation

<div>1</div> <div>Which function $g(x)$ shows these transformations of $f(x)$?</div> <div>Vertical compression: n</div> <div>Horizontal compression: r</div>			<div>2</div> <div>Which function $g(x)$ shows these transformations of $f(x)$?</div> <div>Reflect in X-Axis</div> <div>Shift left: r</div>		
<div>A</div> <div>$g(x) = n \cdot f(r \cdot x)$</div> <div>$n > 1$</div> <div>$r > 1$</div>	<div>B</div> <div>$g(x) = r \cdot f(n \cdot x)$</div> <div>$r < 1$</div> <div>$n > 1$</div>	<div>C</div> <div>$g(x) = n \cdot f(r \cdot x)$</div> <div>$n < 1$</div> <div>$r > 1$</div>	<div>A</div> <div>$g(x) = -f(x + r)$</div>	<div>B</div> <div>$g(x) = f(-x + r)$</div>	<div>C</div> <div>$g(x) = -f(x - r)$</div>
<div>3</div> <div>Which function $g(x)$ shows these transformations of $f(x)$?</div> <div>Shift left: z</div> <div>Shift down: p</div>			<div>4</div> <div>Which function $g(x)$ shows these transformations of $f(x)$?</div> <div>Reflect in X-Axis</div> <div>Shift down: w</div>		
<div>A</div> <div>$g(x) = f(x + z) - p$</div>			<div>A</div> <div>$g(x) = -f(x) - w$</div>		
<div>B</div> <div>$g(x) = f(x + z) + p$</div>			<div>B</div> <div>$g(x) = -f(x) + w$</div>		
<div>C</div> <div>$g(x) = f(x - z) - p$</div>			<div>C</div> <div>$g(x) = f(-x) - w$</div>		
<div>5</div> <div>Which function $g(x)$ shows these transformations of $f(x)$?</div> <div>Reflect in Y-Axis</div> <div>Shift left: p</div>			<div>6</div> <div>Which function $g(x)$ shows these transformations of $f(x)$?</div> <div>Shift left: z</div> <div>Shift down: t</div>		
<div>A</div> <div>$g(x) = f(-x - p)$</div>	<div>B</div> <div>$g(x) = f(-x + p)$</div>		<div>A</div> <div>$g(x) = f(x + z) - t$</div>		
<div>C</div> <div>$g(x) = f(-x) - p$</div>			<div>B</div> <div>$g(x) = f(x - z) - t$</div>		
			<div>C</div> <div>$g(x) = f(x + t) - z$</div>		
<div>7</div> <div>Which function $g(x)$ shows these transformations of $f(x)$?</div> <div>Vertical stretch: m</div> <div>Horizontal stretch: q</div>			<div>8</div> <div>Which function $g(x)$ shows these transformations of $f(x)$?</div> <div>Horizontal stretch: r</div> <div>Shift left: z</div>		
<div>A</div> <div>$g(x) = q \cdot f(m \cdot x)$</div> <div>$q > 1$</div> <div>$m < 1$</div>	<div>B</div> <div>$g(x) = m \cdot f(q \cdot x)$</div> <div>$m > 1$</div> <div>$q > 1$</div>	<div>C</div> <div>$g(x) = m \cdot f(q \cdot x)$</div> <div>$m > 1$</div> <div>$q < 1$</div>	<div>A</div> <div>$g(x) = f(r \cdot x + z)$</div> <div>$r > 1$</div>	<div>B</div> <div>$g(x) = f(r \cdot x + z)$</div> <div>$r < 1$</div>	
			<div>C</div> <div>$g(x) = r \cdot f(x + z)$</div> <div>$r > 1$</div>		