Fill in the Blanks	Stretches of Graphs

$y = f(x)$ is transformed to...	Stretches in words	$y = \sin(x)$ is transformed to...	$y = x^2(x+1)$ is transformed to...	$(-2, 5)$ is transformed to...
$y = 3f(x)$	Stretch by a scale factor of 3 in the vertical direction		$y = 3x^2(x+1)$	
$y = f(2x)$				
	Stretch by a scale factor of 5 in the vertical direction			
$y = f\left(\frac{x}{4}\right)$				
$y = 2f(3x)$				
		$y = \sin\left(\frac{x}{10}\right)$		
			$y = 16x^2(4x+1)$	
				$(-3, 30)$