Match the description of line of dilation to the proper equation in slope- intercept form.			
	1. Line $\ell$ has the equation $y=5x-1$ . Write the equation of the image of $\ell$ after dilation with a scale factor of 2, centered at the origin.	a.	y=1/5x
	2. Line $\ell$ has the equation y=4x+1.Write the equation of the image of $\ell$ after dilation with a scale factor of 5, centered at the origin.	b.	y=5x - 2
	3. Line $\ell$ has the equation y=-4x-8.Write the equation of the image of $\ell$ after dilation with a scale factor of 1/2, centered at the origin.	c.	y=-4x - 4
	4. Line $\ell$ has the equation $y=1/4x-1$ . Write the equation of the image of $\ell$ after dilation with a scale factor of 2, centered at the origin.	d.	y=-1/2x - 1
	5. Line $\ell$ has the equation $y=1/5x$ . Write the equation of the image of $\ell$ after dilation with a scale factor of 4, centered at the origin.	e.	y=4x +5
	6. Line $\ell$ has the equation y=-3x-2.Write the equation of the image of $\ell$ after dilation with a scale factor of 3, centered at the origin.	f.	y=1/4x +2
	7. Line $\ell$ has the equation y=-1/2x-4.Write the equation of the image of $\ell$ after dilation with a scale factor of 1/4, centered at the origin.	g.	y =-3x - 6

Tons of Free Math Worksheets at: ©<u>www.mathworksheetsland.com</u>