Reflections/Translations/ Rotations on TAKS

Name_____ Class _____ 10 pts each







6. AKLM has coordinates K (−8, 3), L (−4, 1), and M (−2, 7). What will be the new coordinates of point M if the triangle is translated 4 units to the right and 3 units down? y	This is a slide , not a flip!!! Take point m (,) now move four to the right, to the ordered pair, add 4 to the X value=
$ \begin{array}{lll} {\bf F} & (0,-2) \\ {\bf G} & (2,4) \\ {\bf H} & (-4,0) \\ {\bf J} & (-6,4) \end{array} \\ \hline {\bf 7.} \\ & \Delta DFG \text{ has vertices } D (2,4), F (4,8), \text{ and} \\ & G (6,4). \end{array} $	Dilate means make larger or smaller in proportion.
<i>y</i> <i>y</i> <i>y</i> <i>y</i> <i>y</i> <i>y</i> <i>y</i> <i>y</i>	To dilate by a "scale" factor, just multiply. Take point F(4,8) Multiply ¼ times 4 = Multiply ¼ times 8 = New point? (,)
$\Delta DFG \text{ is dilated by a scale factor of } \frac{1}{4} \text{ and has}$ the origin as the center of dilation. What are the coordinates of F'? $\mathbf{F} (1, 2)$ $\mathbf{G} (\frac{1}{2}, 1)$ $\mathbf{H} (16, 32)$ $\mathbf{J} (\frac{3}{2}, 1)$	





