Name : _____

Dilation

1) Write the coordinate rule, when the center of dilation is $\left(\frac{6}{7}, 9\right)$ and the scale factor is $\frac{7}{3}$.

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2) LMN is dilated to L'M'N' with a scale factor of $\frac{3}{4}$ and the center of dilation is (−3, 0). The coordinates of the original image are given by L(−7, −8), M(−3, −4) and N(−11, 12). Find the dilated coordinates.

_____

3) The dilated coordin   4). Find the original
coordinates, if the g

_____

4) The vertices of a tria   d to D'(4, 0), E'(4, 2) and
F'(2, 2) with a scale f

_____

5) Write the coordinat   scale factor is 6.

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6) WXYZ is dilated to W'X'Y'Z' with a scale factor of $\frac{7}{8}$ and the center of dilation is (0, −8). The coordinates of the original image are given by W(0, 0), X(0, 8), Y(16, 16) and Z(8, 0). Find the dilated coordinates.

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