Dilation

1) The vertices X(–6, –6), Y(0, 6) and Z(–12, 12) are dilated to X'(–5, –6), Y'(2, 8) and Z'(–12, 15) with a scale factor of $\frac{7}{6}$. Find the center of dilation.

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2) The dilated coordinates are A'(–5, –3), B'(5, –13) and C'(10, –8). Find the original coordinates, if the center of dilation is (0, 2) and the scale factor is 5.

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3) Write the coordinat ... e scale factor is $\frac{4}{7}$.

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4) PQRS is dilated to P' ... tion is (–2, 3). The coordinates of the c ... and S(4, 9). Find the dilated coordinates.

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5) KLMN is dilated to K ... ation is (–5, –6). The coordinates of the c ... 11) and N(10, 4). Find the dilated coordina ...

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6) Write the coordinate rule, when the center of dilation is $\left(-9, \frac{3}{4}\right)$ and the scale factor is $\frac{2}{3}$.

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