

- 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.

- 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.

- 3) Write the coordinates

PREVIEW

the scale factor is $\frac{4}{7}$.

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- 4) PQRS is dilated to P'Q'R'S'. Find the original coordinates of the quadrilateral PQRS, if the center of dilation is $(-2, 3)$. The dilated coordinates are $P'(4, 9)$, $Q'(8, 12)$, $R'(12, 15)$ and $S(4, 9)$. Find the

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tion is $(-2, 3)$. The
and $S(4, 9)$. Find the

- 5) KLMN is dilated to K'L'M'N'. Find the original coordinates of the quadrilateral KLMN, if the center of dilation is $(-5, -6)$. The dilated coordinates are $K'(11, 4)$, $L'(15, 8)$, $M'(19, 12)$ and $N(10, 4)$. Find

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ation is $(-5, -6)$. The
 $(11, 4)$ and $N(10, 4)$. Find

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