1. Apply the dilatation to triangle GHJ. Name the	2. Apply the dilatation to triangle LMN. Name the
new points and state the scale factor.	new points and state the scale factor.
$D(x, y) \rightarrow (1.5x, 1.5y)$	$D(x, y) \rightarrow \left(\frac{1}{3}x, \frac{1}{3}y\right)$
$\begin{array}{c} G(1, -2) \rightarrow G'(\underline{\qquad}, \underline{\qquad}) \\ H(1, -4) \rightarrow H'(\underline{\qquad}, \underline{\qquad}) \\ J(4, -2) \rightarrow J'(\underline{\qquad}, \underline{\qquad}) \\ \end{array}$ Scale factor:	$L(-3, 3) \rightarrow L'(\underline{\qquad}, \underline{\qquad})$
$H(1, -4) \rightarrow H'(\underline{\qquad}, \underline{\qquad})$	$M(3, 6) \to M'(___, ___)$
$J(4, -2) \rightarrow J(\underline{\qquad}, \underline{\qquad})$	$N(3, -3) \rightarrow N'(\)$
	Scale factor:
3. If a dilation with a scale factor of $\frac{5}{4}$ takes place,	4. If \overline{AB} has a length of 16 units, what is the
what type of dilation is this?	length of $\overline{A'B'}$ under a dilation with a scale factor
what type of dilation is this:	of k=2?
5. If \overline{CD} has a length of 23.2 units, what is the	6. If ΔDEF has vertices with the coordinates
length of $\overline{C'D'}$ under a dilation with a scale factor	D(-2,4), E(8,-10), and F(-6,-2), what are the
of 75%?	vertices of $\Delta D' E' F'$ under a dilation with a scale
	factor of 120% and the center at the origin,(0,0)?
Find the scale factors of the given dilations and determine	ine if an enlargement or reduction occurred
7.	8.
	$\uparrow \downarrow \downarrow$
	6
42	A(-4, 4) $B(0, 4)$
49,	P(-3, 3) $Q(-1, 3)$
N24,'	
$\frac{28}{N'-p} = -35$	$T(-3, 1)$ $R(-1, 1)_X$
N 20	E(-4, 0) $S(-2, 9)$ $C(0, 0)$
•c	
	D(-2, -2)
8.	9.
	B' C'
B	BC
A B'	







