

EXAMPLE:

WHEN YOU ENLARGE A FIGURE, THINK ABOUT HOW A SHADOW GETS BIGGER AS THE LIGHT SOURCE GETS FARTHER AWAY.

Given the polygon $EFGH$, draw the dilation image with the center of dilation at the origin and a scale factor of 3.

ORIGINAL	SCALE FACTOR	IMAGE
$E (1, 3)$	$\cdot 3$	$E' (3, 9)$
$F (3, 3)$	$\cdot 3$	$F' (9, 9)$
$G (3, 1)$	$\cdot 3$	$G' (9, 3)$
$H (2, 1)$	$\cdot 3$	$H' (6, 3)$

