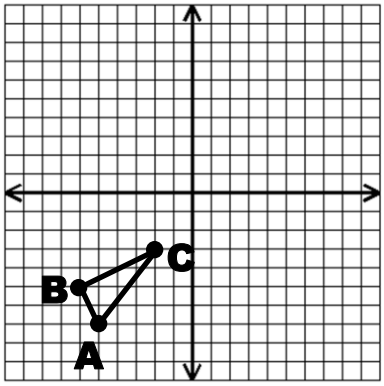
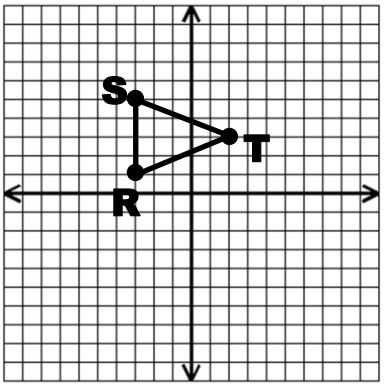
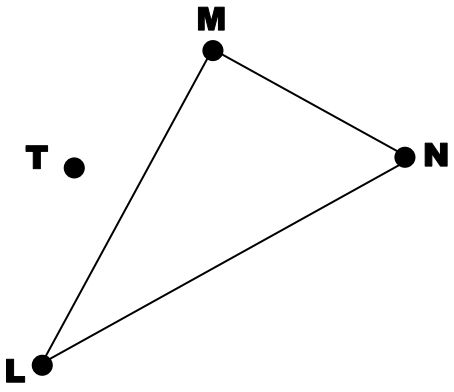
NAME_____**DATE**_____**PER.**____

DILATIONS

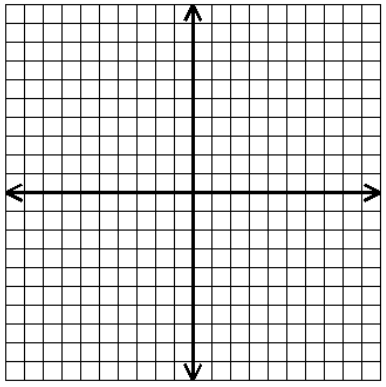
Using the given scale factor and center, dilate the following figures and state the new coordinates.

1. B'(_____, _____) C'(_____, _____)	Scale Factor: 3; Center: 'A' 
2. R'(_____, _____) S'(_____, _____) T'(_____, _____)	Scale Factor: 2; Center: origin 

3. Dilate the triangle below. Use a scale factor of 2. T is the point of dilation.



REVIEW

4. H'_____ J' _____ K'_____ L' _____	Reflect the figure with the given vertices across the given line. H(2,1), J(3,1), K(2,-1), L(1,-1); y = x
5. M'_____ N'_____ P'_____	Translate the figure with the given vertices the indicated distance. M(-4,-4), N(-2,-3), P(-1,3); left 3 and up 5
6. R'_____ S'_____ T'_____	∆RST has vertices R(1,2), S(1,4), T(-3,4). Rotate ∆RST 90° clockwise about the origin and then reflect it across the y-axis. 
7. _____	The point A(3, 1) is rotated 90° counterclockwise about the point (-1, 2) and then reflected across the line y = 5. Find the coordinates of the new image of the point.