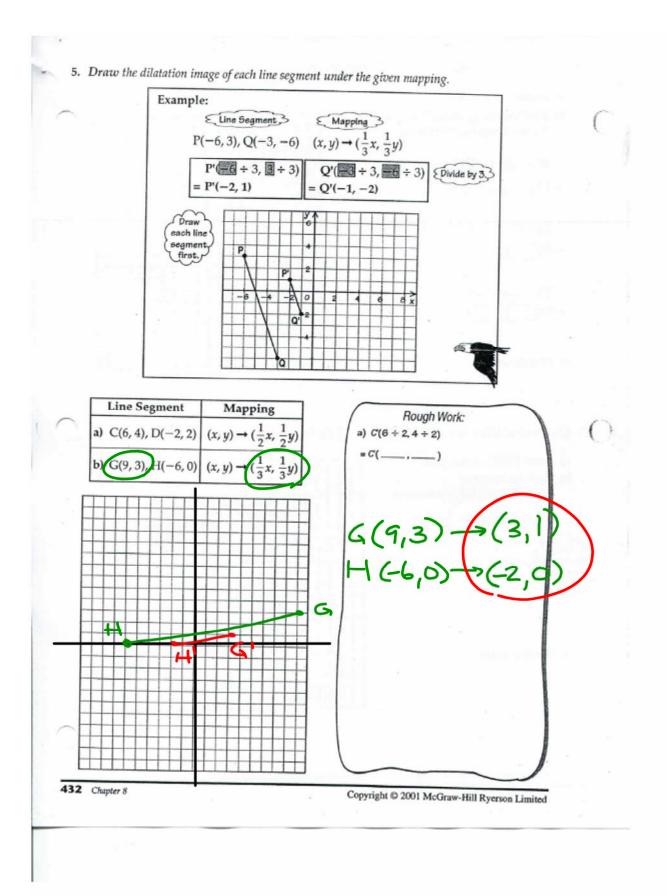
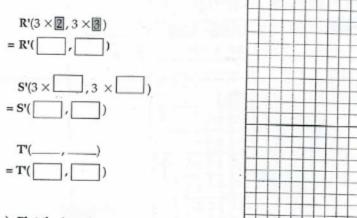


## Day 5 Dilatations 8.4.notebook



- 6. △RST has vertices R(2, 3), S(-1, 4), and T(-3, -2).
  - a) Draw  $\triangle RST$  on the grid.
  - b) Find the image of  $\Delta RST$  under the mapping  $(x, y) \rightarrow (3x, 3y)$ .



c) Plot the image.

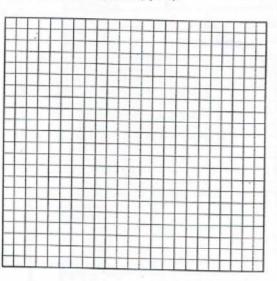
7. Quadrilateral DEFG has vertices D(6, 4), E(-2, 6), F(-4, -4), and G(4, -6).

- a) Draw DEFG on the grid.b) Find the image of
- quadrilateral DEFG under the

mapping 
$$(x, y) \rightarrow (\frac{1}{2}x, \frac{1}{2}y).$$



c) Plot the image.



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