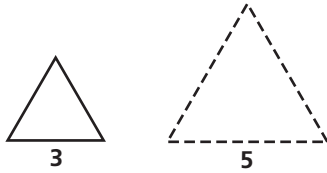


Practice 9-5

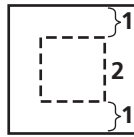
Dilations

Find the scale factor for the dilation that maps the solid-line figure onto the dashed-line figure.

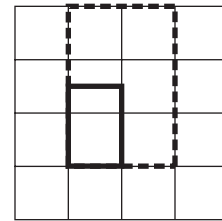
1. _____



2. _____

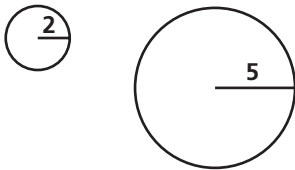


3. _____

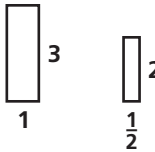


For each pair of figures, determine whether one figure is a dilation of the other.

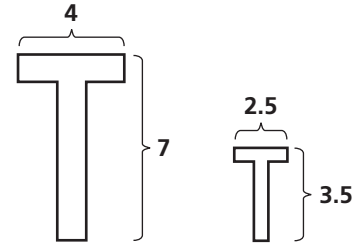
4. _____



5. _____



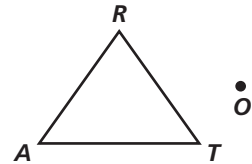
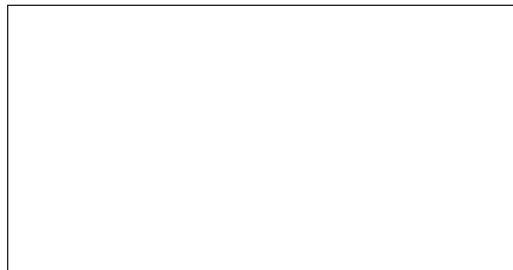
6. _____



Draw $\triangle A'R'T'$ under the dilation with the given center and scale factor.

7. center T , scale factor $\frac{1}{2}$

8. center O , scale factor 2



Find the image of $\triangle PQR$ for a dilation with center $(0, 0)$ and the given scale factor.

9. $P(-6, 6), Q(-3, 0), R(0, -3)$ _____
scale factor 2

10. $P(-10, 5), Q(-5, 0), R(0, 5)$ _____
scale factor $\frac{1}{5}$

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