

WARM-UP EXERCISES

For use before Lesson 9.1, pages 527–534

Solve the proportion.

1. $\frac{x}{4} = \frac{12}{16}$

2. $\frac{4}{y} = \frac{y}{9}$

3. $\frac{12}{6} = \frac{6}{r}$

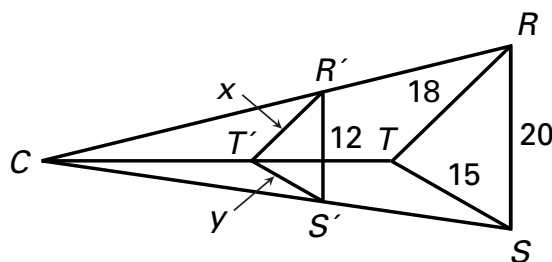
4. $\frac{4}{x} = \frac{x}{12}$

5. $\frac{y-2}{6} = \frac{6}{2}$

DAILY HOMEWORK QUIZ

For use after Lesson 8.7, pages 506–514

1. Identify the dilation and find its scale factor. Then find the values of the variables.



Use the origin as the center of the dilation, the given scale factor, and the given coordinates of the vertices of the preimage polygon to find the coordinates of the vertices of the image polygon.

2. $\triangle XYZ$, with scale factor 5 and vertices $X(3, 1)$, $Y(6, 4)$, and $Z(8, -1)$
3. $\square PQRS$ with scale factor $\frac{2}{3}$ and vertices $P(-6, 3)$, $Q(3, 3)$, $R(3, -6)$, and $S(-6, -6)$