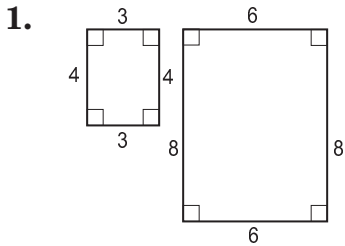


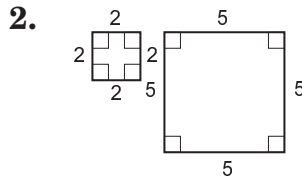
Skills Practice

Similar Polygons

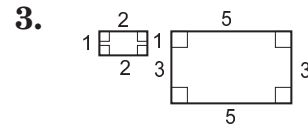
Determine whether each pair of polygons is similar. Justify your answer.



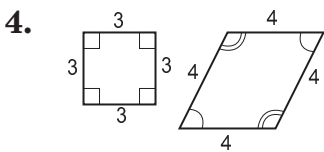
Yes; corresponding angles are congruent and $\frac{3}{6} = \frac{4}{8}$.



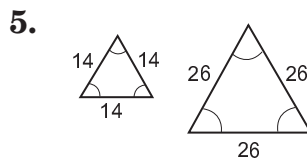
Yes; corresponding angles are congruent and $\frac{2}{5} = \frac{2}{5}$.



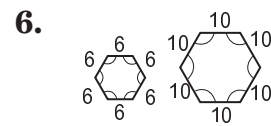
No; $\frac{1}{3} \neq \frac{2}{5}$.



No; corresponding angles are not congruent.

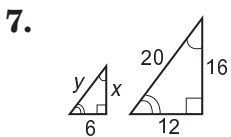


Yes; corresponding angles are congruent and $\frac{14}{26} = \frac{14}{26} = \frac{14}{26}$.

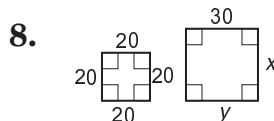


Yes; corresponding angles are congruent and $\frac{6}{10}$ is the ratio for the lengths of all six sides.

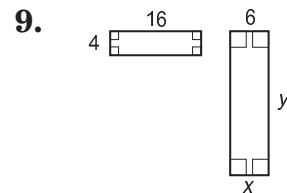
If each pair of polygons is similar, find the values of x and y .



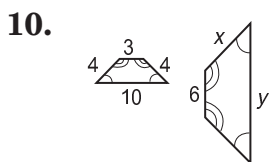
$x = 8, y = 10$



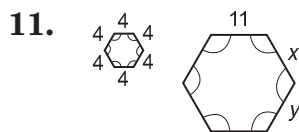
$x = 30, y = 30$



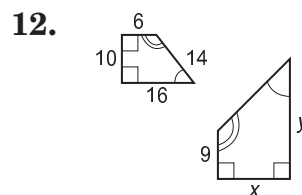
$x = 6, y = 24$



$x = 8, y = 20$



$x = 11, y = 11$



$x = 15, y = 24$