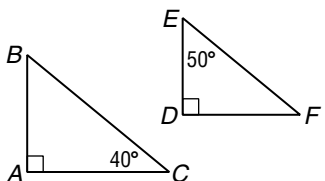


11-6 Skills Practice

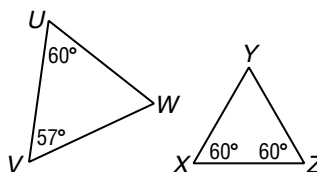
Similar Triangles

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

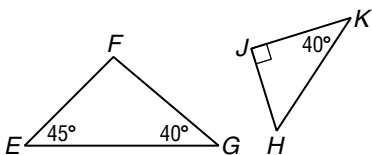
1.



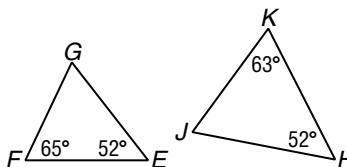
2.



3.



4.



For each set of measures given, find the measures of the missing sides if $\triangle PQR \sim \triangle STU$.

5. $r = 4, s = 6, t = 3, u = 2$

6. $t = 8, p = 21, q = 14, r = 7$

7. $p = 15, q = 10, r = 5, s = 6$

8. $p = 48, s = 16, t = 8, u = 4$

9. $q = 6, s = 2, t = \frac{3}{2}, u = \frac{1}{2}$

10. $p = 3, q = 2, r = 1, u = \frac{1}{3}$

11. $p = 14, q = 7, u = 2.5, t = 5$

12. $r = 6, s = 3, t = \frac{21}{8}, u = \frac{9}{4}$

