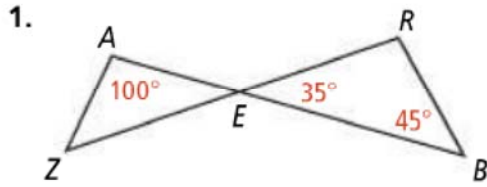
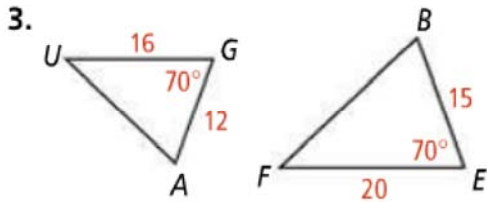
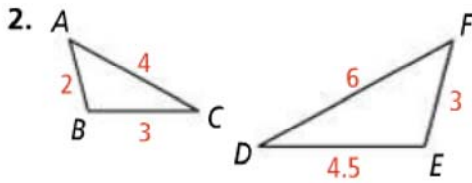


## Do you know HOW?

Are the triangles similar? If yes, write a similarity statement and explain how you know they are similar.

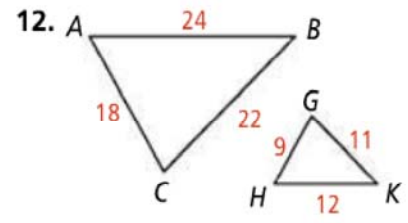
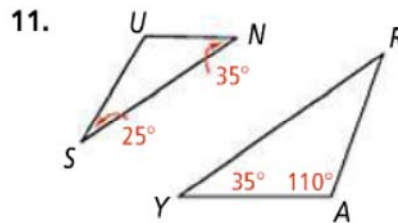
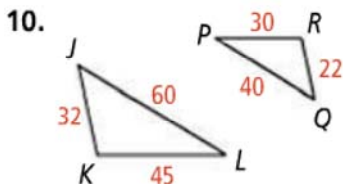
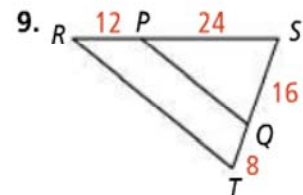
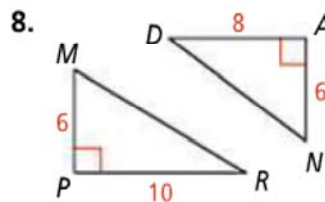
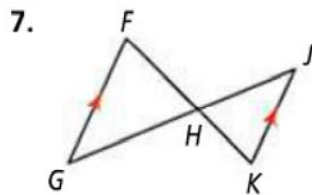


HW: p. 455: 1-3all, 7-12 all  
p. 436-437: 23-26 all, 40-43 all



Determine whether the triangles are similar. If so, write a similarity statement and name the postulate or theorem you used. If not, explain.

See Problems 1 and 2.



p. 436-437: 23-26 all, 40-43 all

**Algebra** Solve each proportion.

23.  $\frac{3}{5} = \frac{6}{x+3}$

24.  $\frac{y+7}{9} = \frac{8}{5}$

25.  $\frac{5}{x-3} = \frac{10}{x}$

26.  $\frac{n+4}{8} = \frac{n}{4}$

**Algebra** Solve each proportion.

40.  $\frac{1}{7y-5} = \frac{2}{9y}$

41.  $\frac{4a+1}{7} = \frac{2a}{3}$

42.  $\frac{5}{x+2} = \frac{3}{x+1}$

43.  $\frac{2b-1}{4} = \frac{b-2}{12}$