

Similar & Congruent Triangles

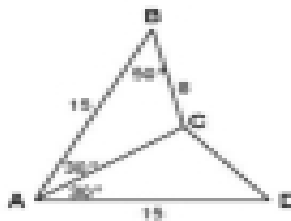
Practice Problems

EXERCISES

A. Given two triangles, what three tests can be used to determine whether or not the triangles are congruent?

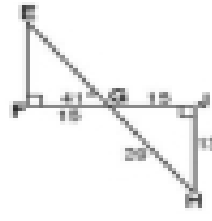
B. 1. For each of these sets of triangles, state the rule that tells you that they are congruent.
2. Find the unknown values.

a)



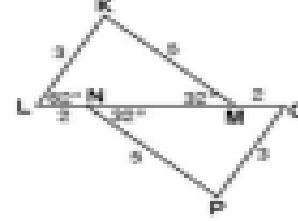
$$CD = ? \quad \angle D = ?$$

b)



$$EG = ? \quad EF = ?$$

c)



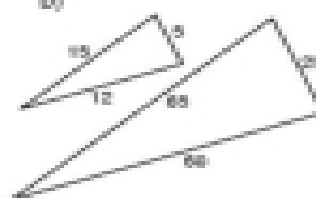
$$\angle O = ? \quad \angle P = ?$$

C. 1. Which of these pairs of triangles are similar?
2. For the pairs that are similar, what rule did you use to prove that they are similar?

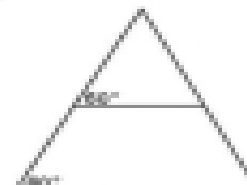
a)



b)



c)



D. If two angles of one triangle are equal to two angles of another, does that mean the two triangles must be similar?