

Similar & Congruent Triangles

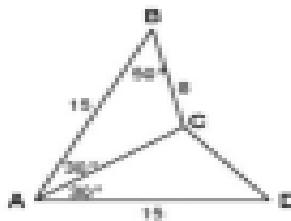
Practice Problems

EXERCISES

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

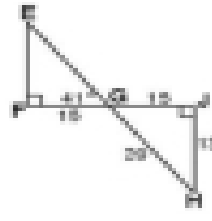
- B. 1. For each of these sets of triangles, state the rule that tells you that they are congruent.
2. Find the unknown values.

a)



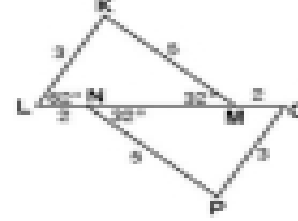
$$CD = ? \quad \angle D = ?$$

b)



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

c)



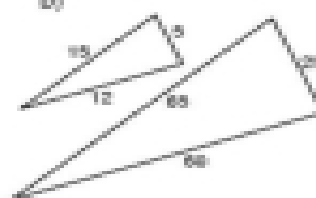
$$\angle O = ? \quad \angle P = ?$$

- 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?

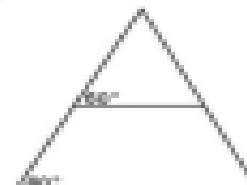
a)



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?