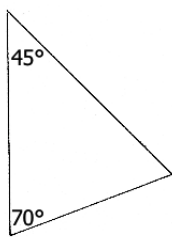


Congruent Triangles Quiz

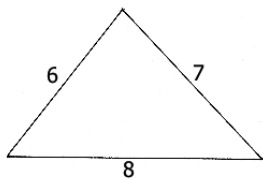
Note: None of the figures in this quiz are drawn accurately.

Do not measure them, but look at the marked angles, and the marked sides, and use what you know about congruent triangles to answer the questions.

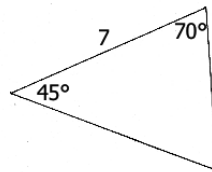
Look at the figures below to answer questions #1-4 on the next page.



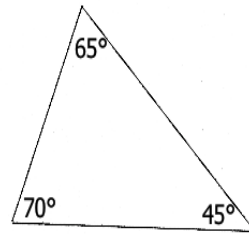
A



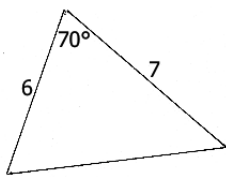
B



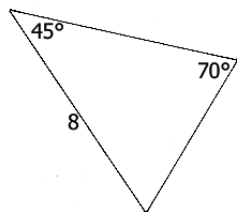
C



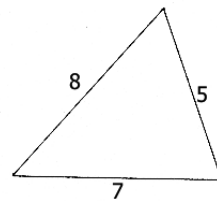
D



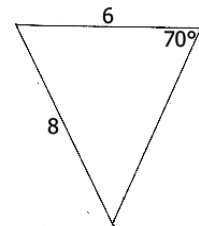
E



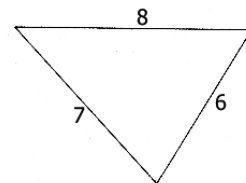
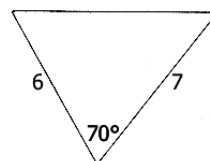
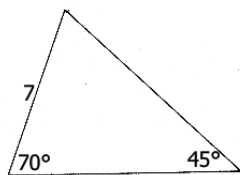
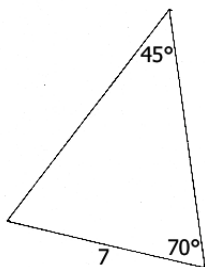
F

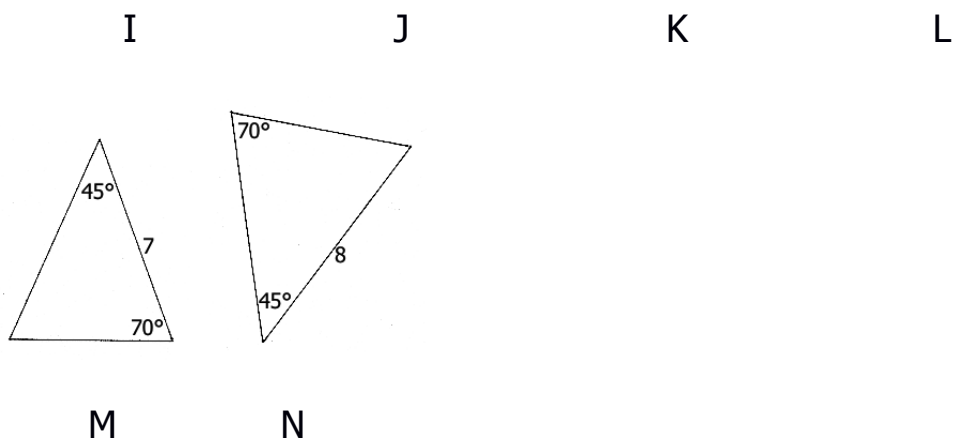


G



H

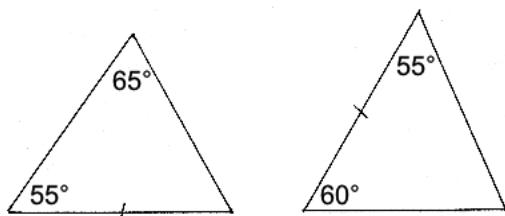




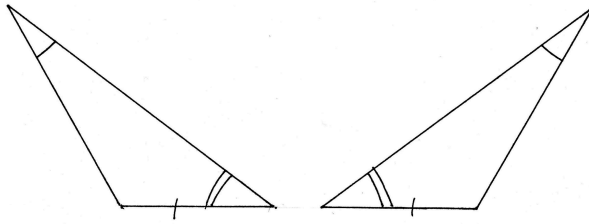
In the figures in the previous page, the angle measures are in degrees, and the side measures are in units. Using these measures, find four different pairs of definitively congruent triangles.

1. One pair of congruent triangles is triangle ___ and triangle ___.
2. A second pair of congruent triangles is triangle ___ and triangle ___.
3. A third pair of congruent triangles is triangle ___ and triangle ___.
4. A fourth pair of congruent triangles is triangle ___ and triangle ___.

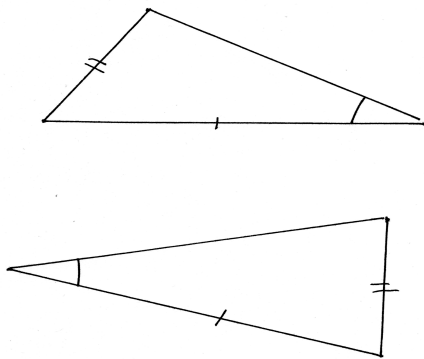
For questions 5, 6 and 7, say whether the pairs of triangles shown are definitively congruent or not definitively congruent.



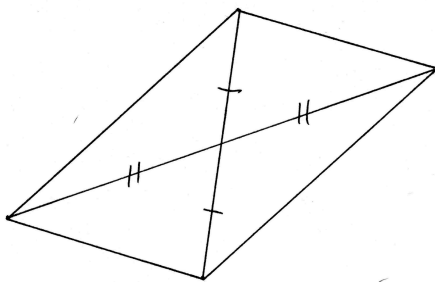
5. The pair of triangles above are
(definitively congruent/not definitively congruent)



6. The pair of triangles above are
(definitively congruent/not congruent)

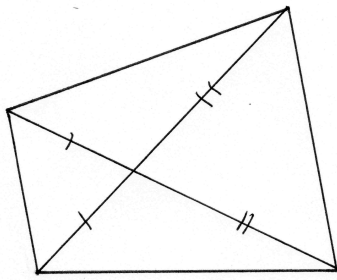


7. The pair of triangles above are
(definitively congruent/not definitively congruent)



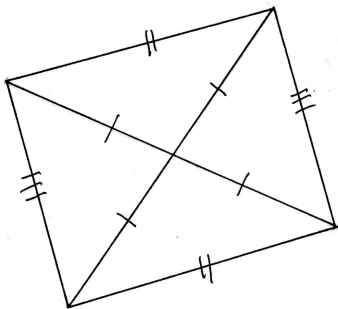
8. Which is correct? In the diagram above, counting only the four triangles that meet in the middle, there are...

- a. no congruent triangles
- b. one pair of congruent triangles
- c. two pairs of congruent triangles
- d. four triangles, all congruent to one another



9. Which is correct? In the diagram above, counting only the four triangles that meet in the middle, there are...

- a. no congruent triangles.
- b. one pair of congruent triangles.
- c. two pairs of congruent triangles.
- d. four triangles, all congruent to one another.



9. Which is correct? In the diagram above, counting only the four triangles that meet in the middle, there are...

- a. no congruent triangles.
- b. one pair of congruent triangles.
- c. two pairs of congruent triangles.
- d. four triangles, all congruent to one another.