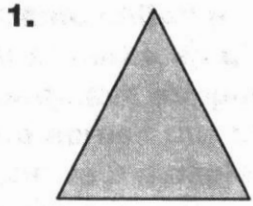
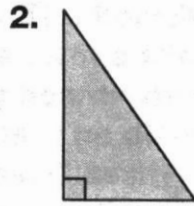


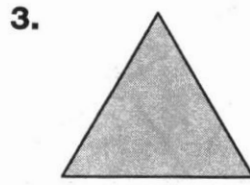
Classifying Triangles

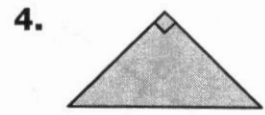
SKILLS

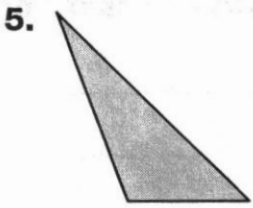
Classify each triangle by its side lengths and angle measures.

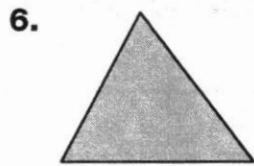


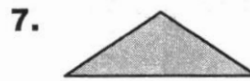


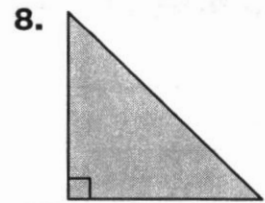


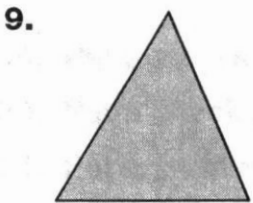


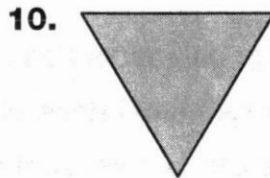


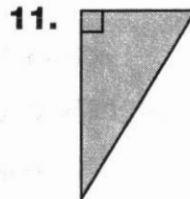


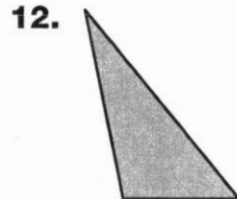




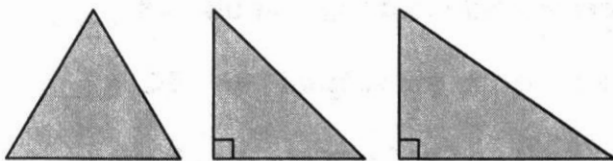




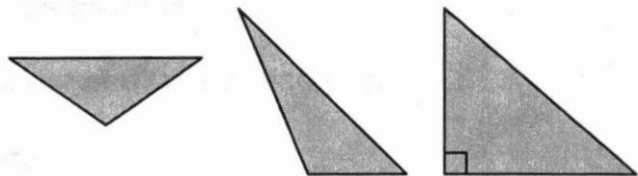




13. Which triangle is a scalene right triangle?



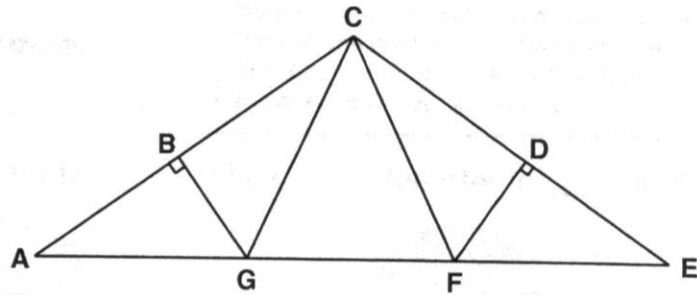
14. Which triangle is an isosceles obtuse triangle?



Classifying Triangles

CRITICAL THINKING AND PROBLEM SOLVING

Many roofs are supported by boards fastened together into a frame called a truss. The boards that make up a truss form a triangle and have supporting boards that go across the triangle. The diagram shows a sample truss. Classify each triangle by side lengths and angle measures.



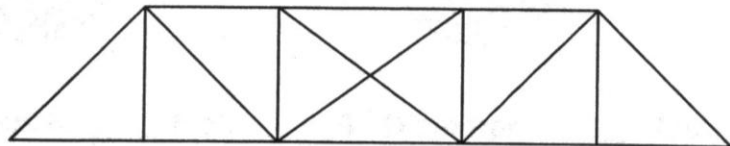
15. Triangle ABG

16. Triangle GCF

17. Triangle BCG

18. Triangle ACE

Many bridges use triangles as part of their structure. Study the diagram of a bridge show at the right.



19. Put a star (★) in each isosceles right triangle.

20. Put a check (✓) in each isosceles obtuse triangle.

21. Put an X in each isosceles acute triangle.

Put a C on the line before each correct statement. Put a NC on the line before each statement that is NOT correct.

_____ 22. All right triangles are isosceles triangles.

_____ 23. All equilateral triangles are isosceles triangles.

_____ 24. Some right triangles are isosceles triangles.

_____ 25. All triangles are either isosceles or equilateral triangles.

_____ 26. No triangle has two right angles.

_____ 27. Some equilateral triangles are obtuse triangles.