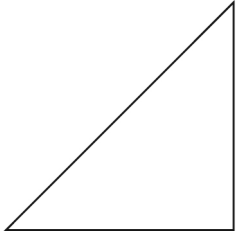


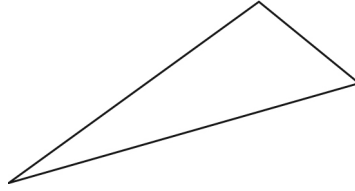
## Lesson 2: Naming and Sorting Triangles by Angles

1. Name each triangle as acute, right, or obtuse.

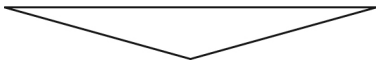
a)



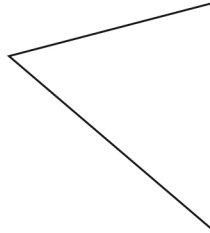
b)



c)

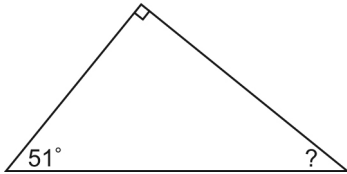


d)

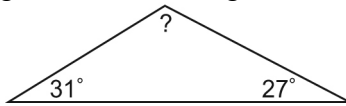


2. Find the measure of the third angle in each triangle.

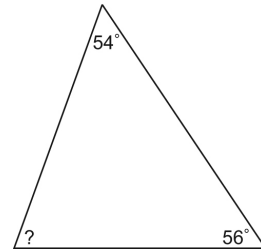
a)



b)



c)



3. Name each triangle as acute, right, or obtuse.

a)  $\angle A = 70^\circ$ ,  $\angle B = 20^\circ$ ,  $\angle C = 90^\circ$

b)  $\angle J = 41^\circ$ ,  $\angle K = 100^\circ$ ,  $\angle L = 39^\circ$

c)  $\angle M = 43^\circ$ ,  $\angle N = 22^\circ$ ,  $\angle O = 115^\circ$

d)  $\angle R = 55^\circ$ ,  $\angle S = 65^\circ$ ,  $\angle T = 60^\circ$

4. Why can a triangle not have more than one obtuse angle? Use words and pictures.

5. What is the measure of the third angle in each triangle?

a)  $\angle A = 56^\circ$ ,  $\angle B = 93^\circ$ ,  $\angle C = ?$

b)  $\angle X = 115^\circ$ ,  $\angle Y = 34^\circ$ ,  $\angle L = ?$

c)  $\angle L = 170^\circ$ ,  $\angle M = 5^\circ$ ,  $\angle N = ?$

d)  $\angle D = 55^\circ$ ,  $\angle E = 80^\circ$ ,  $\angle F = ?$