Angles of a Triangle
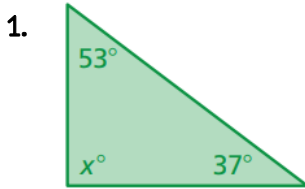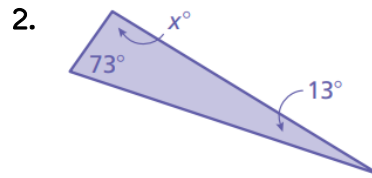
Name: _____
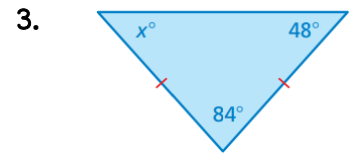
Find the value of x. Then classify the triangle.

1.

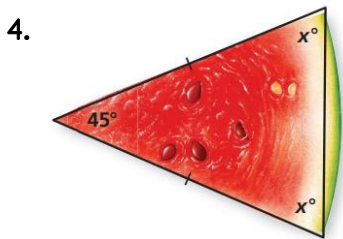x = ____

_____

2.

x = ____

_____

3.

x = ____

_____

4.

x = ____
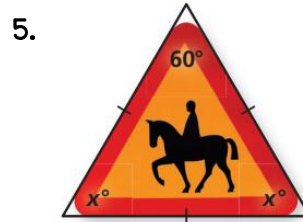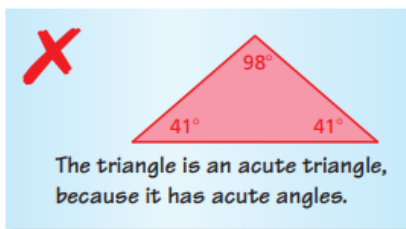
_____

5.

x = ____

_____

6.

x = ____

_____

7. Describe & correct the error in classifying the triangle. Find the value of x.

The triangle is an acute triangle, because it has acute angles.

Tell whether a triangle can have the given angle measures. Explain why or why not.

8. $76.2°, 81.7°, 22.1°$

9. $115.1°, 47.5°, 93°$

10. $5\frac{2}{3}°, 64\frac{1}{3}°, 87°$

11. $31\frac{3}{4}°, 53\frac{1}{2}°, 94\frac{3}{4}°$