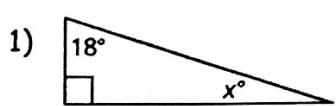


Assignment #27 - KEY

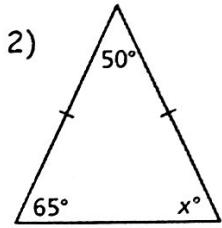
8CP

Exterior Angles & Reviewing Angles of Triangles

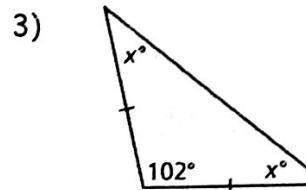
Find the measures of the interior angles:



$$x = 72^\circ$$

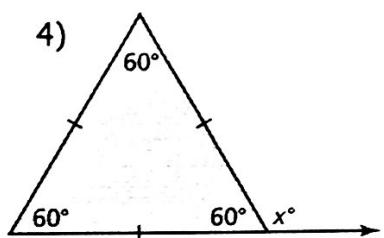


$$x = 65^\circ$$

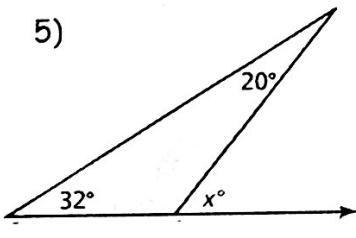


$$x = 39^\circ$$

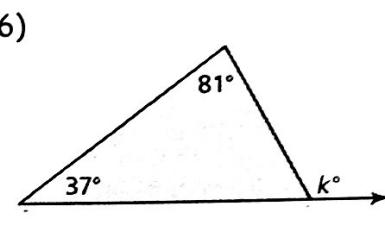
Find the measure of the exterior angle:



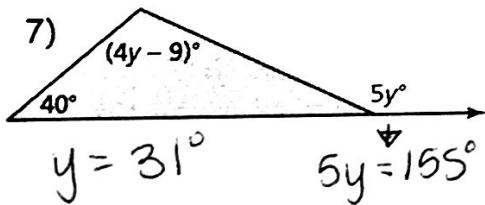
$$x = 120^\circ$$



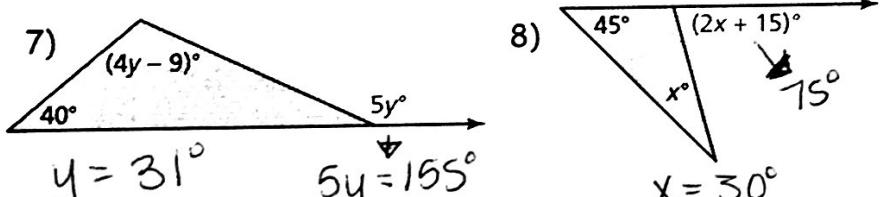
$$x = 52^\circ$$



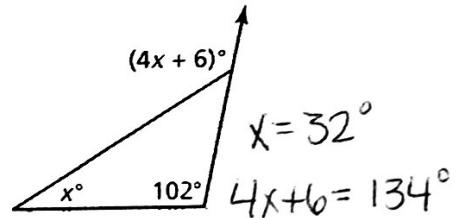
$$x = 118^\circ$$



$$y = 31^\circ$$



$$x = 30^\circ$$



$$4x + 6 = 134^\circ$$

Tell whether a triangle can have the given angle measures.

If not, change the first angle measure so that the angle measures form a triangle.

10) $36.9^\circ, 110.4^\circ, 33.7^\circ$

No, 35.9°

11) $62^\circ, 44\frac{3}{4}^\circ, 73\frac{1}{4}^\circ$

Yes

12) Review: Use the figure to find the measure of the angle. Explain your reasoning.

- a) $\angle 3 85^\circ$ b) $\angle 5 95^\circ$
- c) $\angle 6 85^\circ$ d) $\angle 2 85^\circ$

