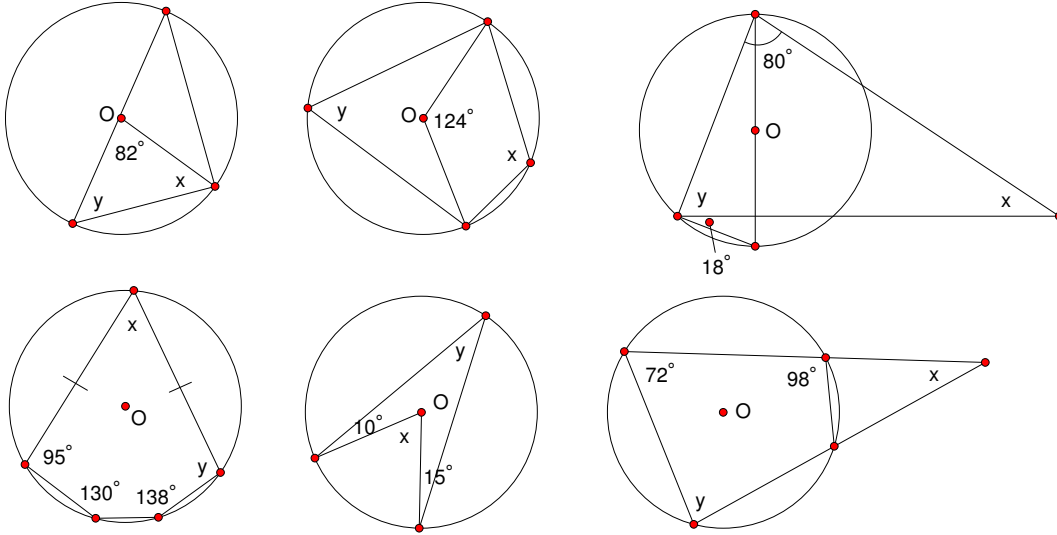


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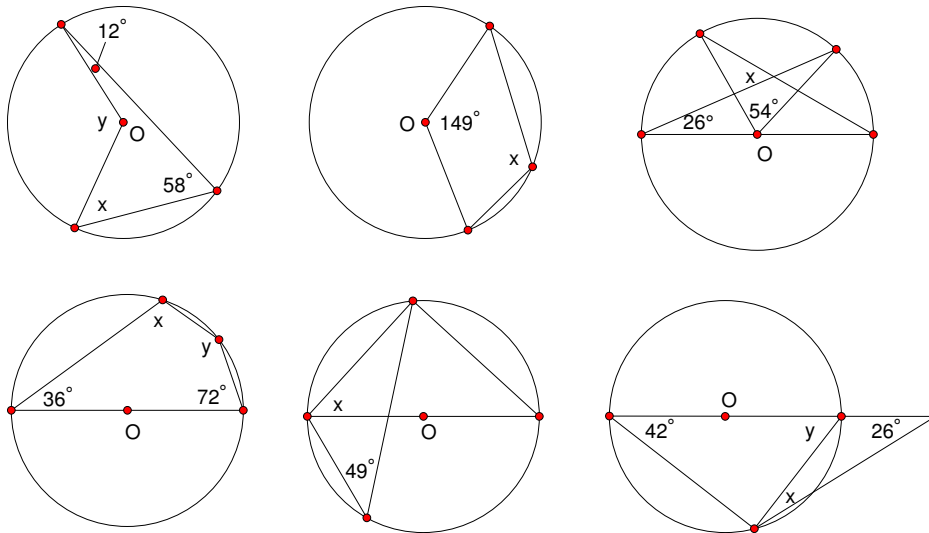
Date: _____

1. a) $x = y = 49$ b) $x = 118, y = 62$ c) $x = 28, y = 72$ d) No Answer e) $x = 50, y = 25$ f) $x = 26, y = 82$



2. Given that O is the center of the circle, find the values of x and/or y in the following figures.

- a) $x = 46, y = 116$ b) $x = 105.5$ c) $x = 60$ d) $x = 108, y = 144$ e) $x = 41$ f) $x = 22, y = 48$



Name:

Date:

3. The information in the following diagram can be deduced using inscribed angles and parallel lines. This gives us a system of two equations:
$$\begin{cases} x + y + 114 = 180 \\ 2x + 2x + 2y = 180 \end{cases}$$

Solving gives us $x = 24, y = 42$

